

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B30_5MHz_EIRP

Band: 30 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	22.14	1.00	23.14	<=23.98	Pass
			13	22.22	1.00	23.22	<=23.98	Pass
			24	22.14	1.00	23.14	<=23.98	Pass
		12	0	21.19	1.00	22.19	<=23.98	Pass
			6	21.21	1.00	22.21	<=23.98	Pass
			13	21.20	1.00	22.20	<=23.98	Pass
		25	0	21.21	1.00	22.21	<=23.98	Pass
	2310	1	0	22.10	1.00	23.10	<=23.98	Pass
			13	22.20	1.00	23.20	<=23.98	Pass
			24	22.14	1.00	23.14	<=23.98	Pass
		12	0	21.15	1.00	22.15	<=23.98	Pass
			6	21.17	1.00	22.17	<=23.98	Pass
			13	21.17	1.00	22.17	<=23.98	Pass
	25	0	21.20	1.00	22.20	<=23.98	Pass	
	2312.5	1	0	22.14	1.00	23.14	<=23.98	Pass
			13	22.20	1.00	23.20	<=23.98	Pass
			24	22.15	1.00	23.15	<=23.98	Pass
		12	0	21.20	1.00	22.20	<=23.98	Pass
			6	21.23	1.00	22.23	<=23.98	Pass
			13	21.17	1.00	22.17	<=23.98	Pass
		25	0	21.20	1.00	22.20	<=23.98	Pass
16QAM		2307.5	1	0	21.05	1.00	22.05	<=23.98
	13			21.12	1.00	22.12	<=23.98	Pass
	24			21.05	1.00	22.05	<=23.98	Pass
	12		0	20.20	1.00	21.20	<=23.98	Pass
			6	20.25	1.00	21.25	<=23.98	Pass
			13	20.21	1.00	21.21	<=23.98	Pass
	25		0	20.24	1.00	21.24	<=23.98	Pass
	2310	1	0	21.24	1.00	22.24	<=23.98	Pass
			13	21.32	1.00	22.32	<=23.98	Pass
			24	21.26	1.00	22.26	<=23.98	Pass
		12	0	20.15	1.00	21.15	<=23.98	Pass
			6	20.18	1.00	21.18	<=23.98	Pass
			13	20.22	1.00	21.22	<=23.98	Pass
	25	0	20.20	1.00	21.20	<=23.98	Pass	
	2312.5	1	0	21.26	1.00	22.26	<=23.98	Pass
			13	21.34	1.00	22.34	<=23.98	Pass
			24	21.26	1.00	22.26	<=23.98	Pass
		12	0	20.19	1.00	21.19	<=23.98	Pass
			6	20.26	1.00	21.26	<=23.98	Pass
			13	20.20	1.00	21.20	<=23.98	Pass
		25	0	20.27	1.00	21.27	<=23.98	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B30_5MHz_EIRP/10MHz

Band: 30 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/5MHz)	Gain (dBi)	EIRP/10MHz (dBm/5MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	22.20	1.00	23.20	<=23.98	Pass
			13	22.41	1.00	23.41	<=23.98	Pass
			24	22.29	1.00	23.29	<=23.98	Pass
		12	0	21.37	1.00	22.37	<=23.98	Pass
			6	21.38	1.00	22.38	<=23.98	Pass
			13	21.33	1.00	22.33	<=23.98	Pass
		25	0	21.26	1.00	22.26	<=23.98	Pass
	2310	1	0	22.23	1.00	23.23	<=23.98	Pass
			13	22.40	1.00	23.40	<=23.98	Pass
			24	22.08	1.00	23.08	<=23.98	Pass
		12	0	21.28	1.00	22.28	<=23.98	Pass
			6	21.38	1.00	22.38	<=23.98	Pass
			13	21.33	1.00	22.33	<=23.98	Pass
		25	0	21.34	1.00	22.34	<=23.98	Pass
	2312.5	1	0	22.25	1.00	23.25	<=23.98	Pass
			13	22.37	1.00	23.37	<=23.98	Pass
			24	22.22	1.00	23.22	<=23.98	Pass
		12	0	21.40	1.00	22.40	<=23.98	Pass
			6	21.36	1.00	22.36	<=23.98	Pass
			13	21.34	1.00	22.34	<=23.98	Pass
		25	0	21.33	1.00	22.33	<=23.98	Pass
16QAM	2307.5	1	0	21.36	1.00	22.36	<=23.98	Pass
			13	21.45	1.00	22.45	<=23.98	Pass
			24	21.36	1.00	22.36	<=23.98	Pass
		12	0	20.29	1.00	21.29	<=23.98	Pass
			6	20.29	1.00	21.29	<=23.98	Pass
			13	20.25	1.00	21.25	<=23.98	Pass
		25	0	20.35	1.00	21.35	<=23.98	Pass
	2310	1	0	21.49	1.00	22.49	<=23.98	Pass
			13	21.63	1.00	22.63	<=23.98	Pass
			24	21.56	1.00	22.56	<=23.98	Pass
		12	0	20.34	1.00	21.34	<=23.98	Pass
			6	20.40	1.00	21.40	<=23.98	Pass
			13	20.32	1.00	21.32	<=23.98	Pass
		25	0	20.36	1.00	21.36	<=23.98	Pass
	2312.5	1	0	21.43	1.00	22.43	<=23.98	Pass
			13	21.58	1.00	22.58	<=23.98	Pass
			24	21.58	1.00	22.58	<=23.98	Pass
		12	0	20.42	1.00	21.42	<=23.98	Pass
			6	20.30	1.00	21.30	<=23.98	Pass
			13	20.35	1.00	21.35	<=23.98	Pass
		25	0	20.36	1.00	21.36	<=23.98	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

1.1.3 B30_10MHz_EIRP

Band: 30 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	22.13	1.00	23.13	<=23.98	Pass
			25	22.08	1.00	23.08	<=23.98	Pass
			49	22.15	1.00	23.15	<=23.98	Pass

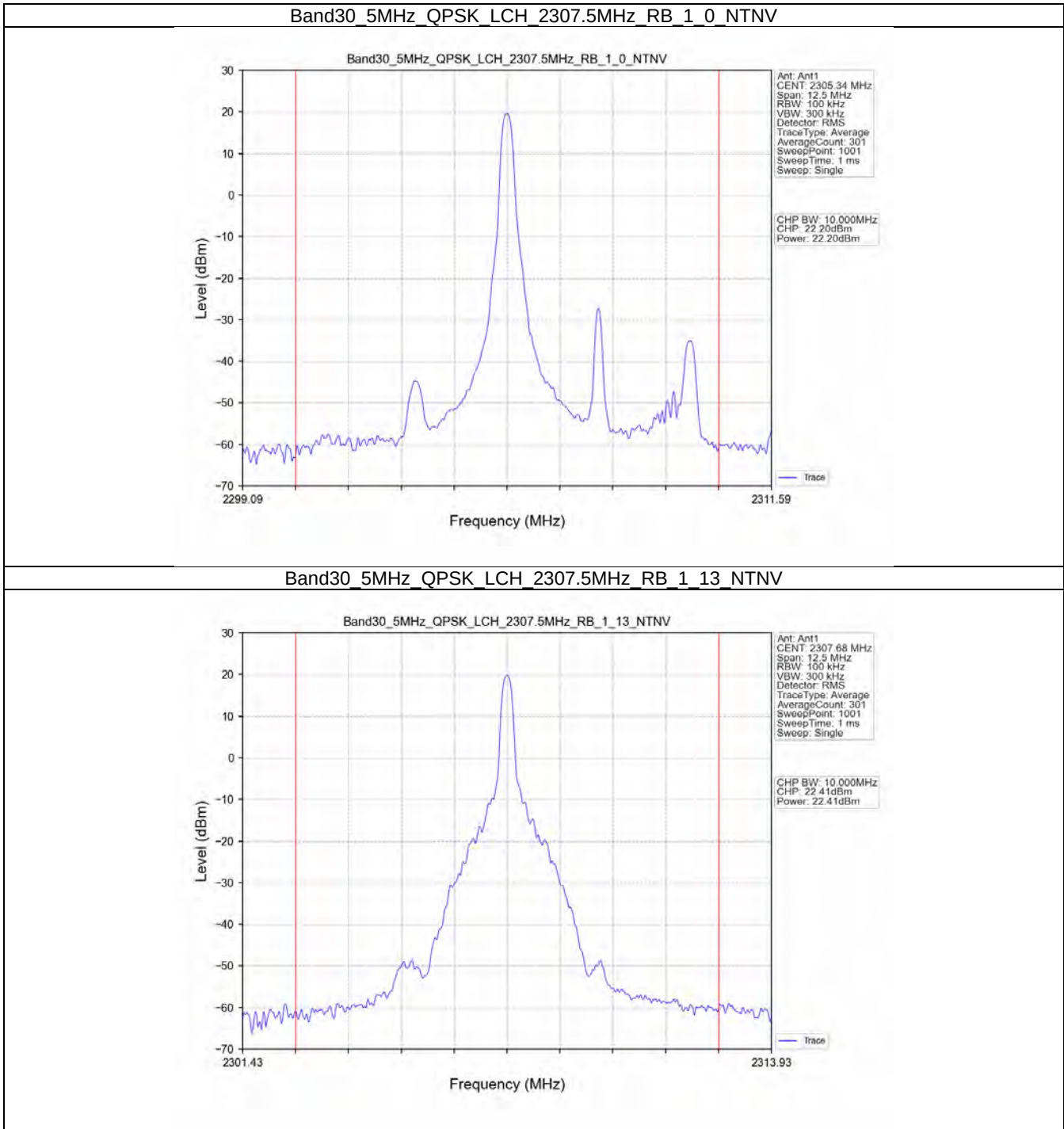
		25	0	21.19	1.00	22.19	<=23.98	Pass
			13	21.26	1.00	22.26	<=23.98	Pass
			25	21.24	1.00	22.24	<=23.98	Pass
		50	0	21.22	1.00	22.22	<=23.98	Pass
16QAM	2310	1	0	21.30	1.00	22.30	<=23.98	Pass
			25	21.35	1.00	22.35	<=23.98	Pass
			49	21.35	1.00	22.35	<=23.98	Pass
		25	0	20.25	1.00	21.25	<=23.98	Pass
			13	20.28	1.00	21.28	<=23.98	Pass
			25	20.28	1.00	21.28	<=23.98	Pass
		50	0	20.25	1.00	21.25	<=23.98	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B30_10MHz_EIRP/10MHz

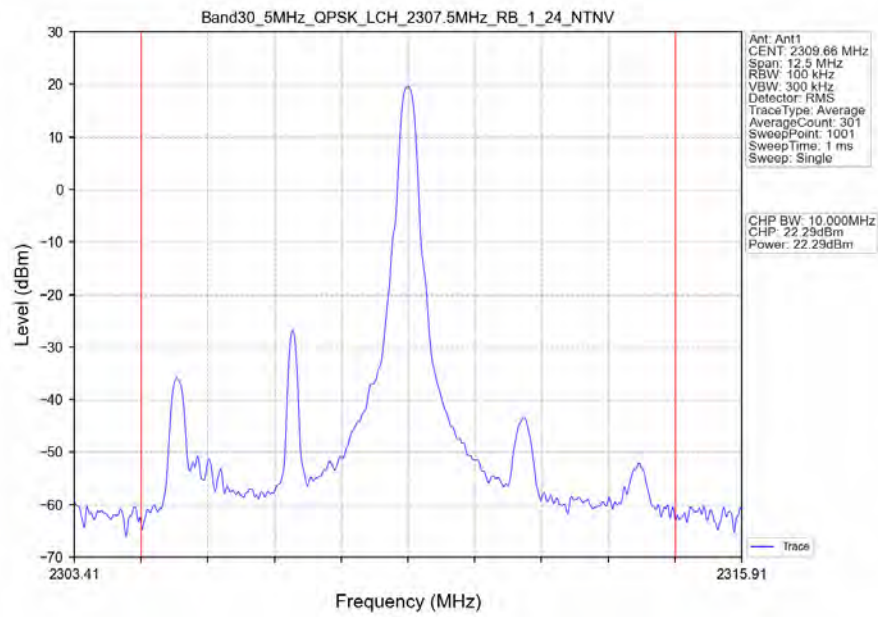
Band: 30 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/5MHz)	Gain (dBi)	EIRP/10MHz (dBm/5MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	22.19	1.00	23.19	<=23.98	Pass
			25	22.19	1.00	23.19	<=23.98	Pass
			49	22.10	1.00	23.10	<=23.98	Pass
		25	0	21.21	1.00	22.21	<=23.98	Pass
			13	21.22	1.00	22.22	<=23.98	Pass
			25	21.24	1.00	22.24	<=23.98	Pass
		50	0	21.22	1.00	22.22	<=23.98	Pass
16QAM	2310	1	0	21.23	1.00	22.23	<=23.98	Pass
			25	21.31	1.00	22.31	<=23.98	Pass
			49	21.29	1.00	22.29	<=23.98	Pass
		25	0	20.20	1.00	21.20	<=23.98	Pass
			13	20.29	1.00	21.29	<=23.98	Pass
			25	20.22	1.00	21.22	<=23.98	Pass
		50	0	20.26	1.00	21.26	<=23.98	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

1.2 Test Graph

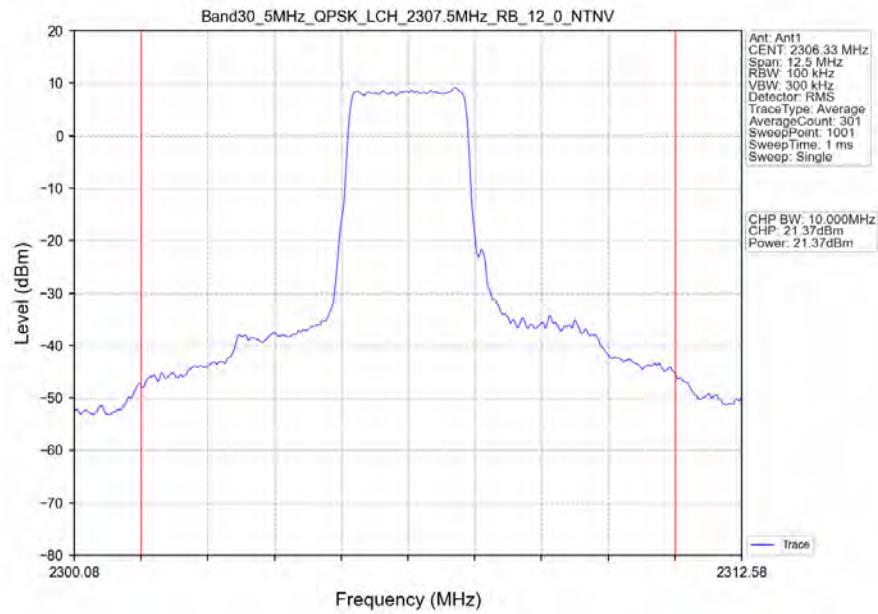
1.2.1 B30_5MHz_EIRP/10MHz



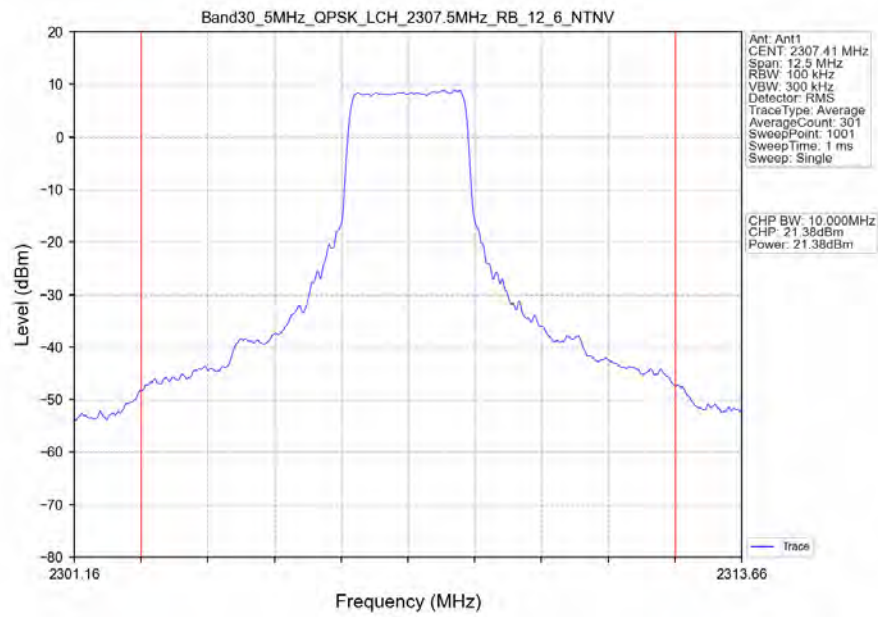
Band30_5MHz_QPSK_LCH_2307.5MHz_RB_1_24_NTNV



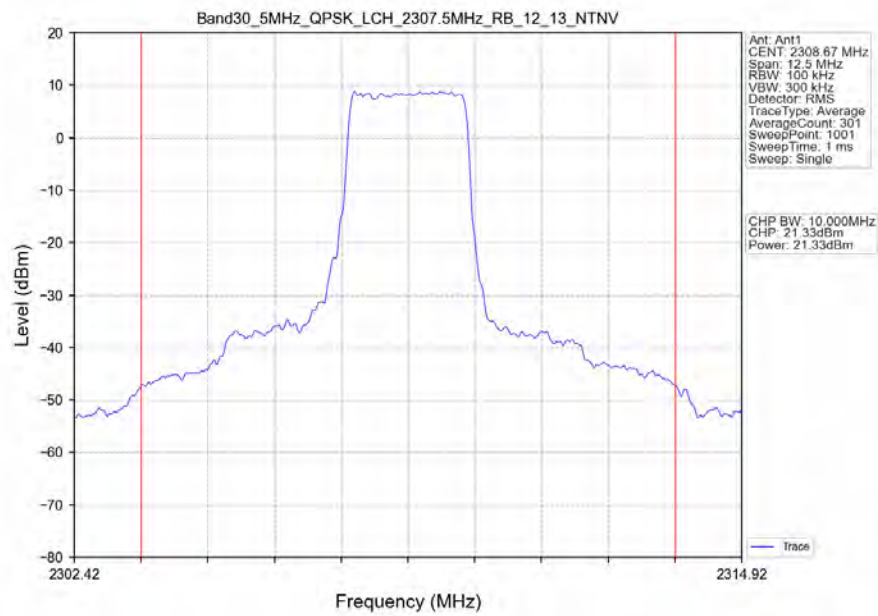
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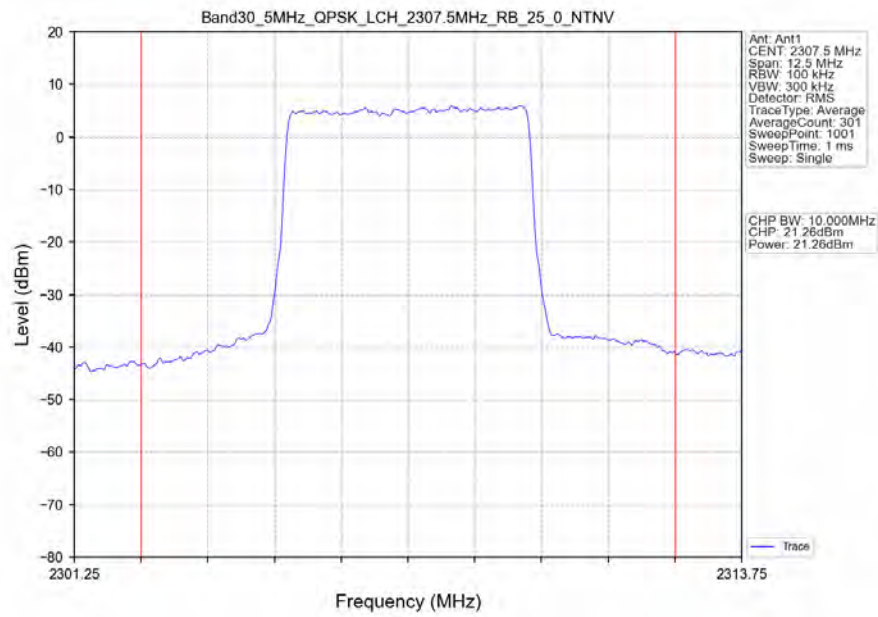
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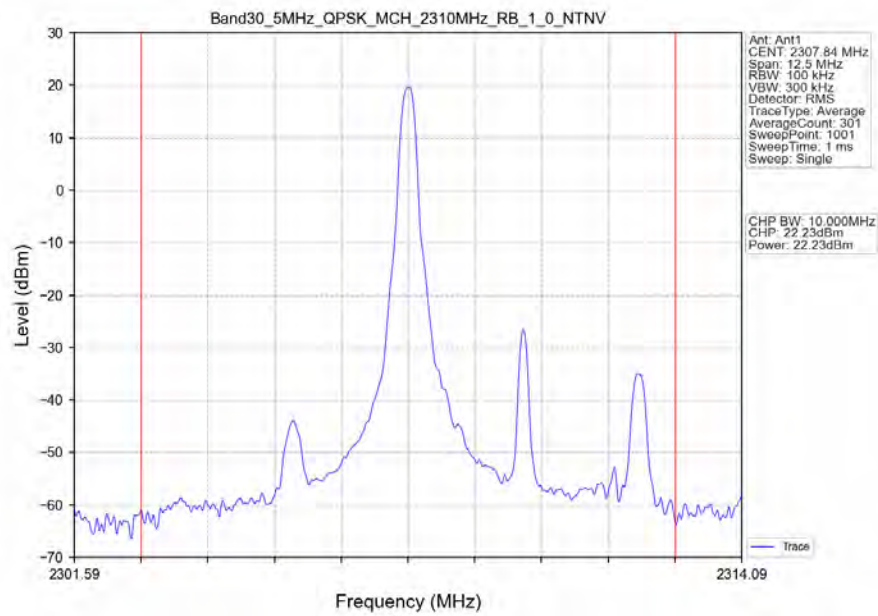
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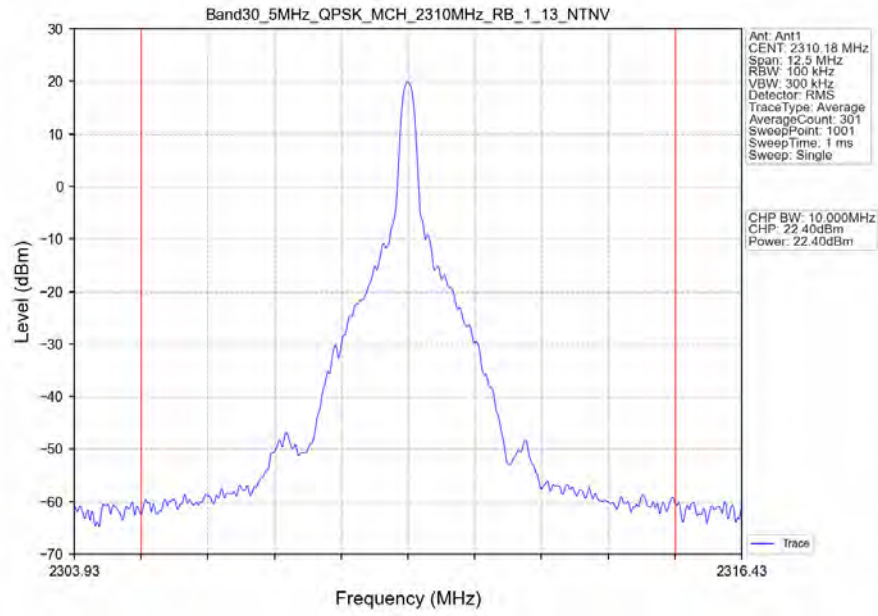
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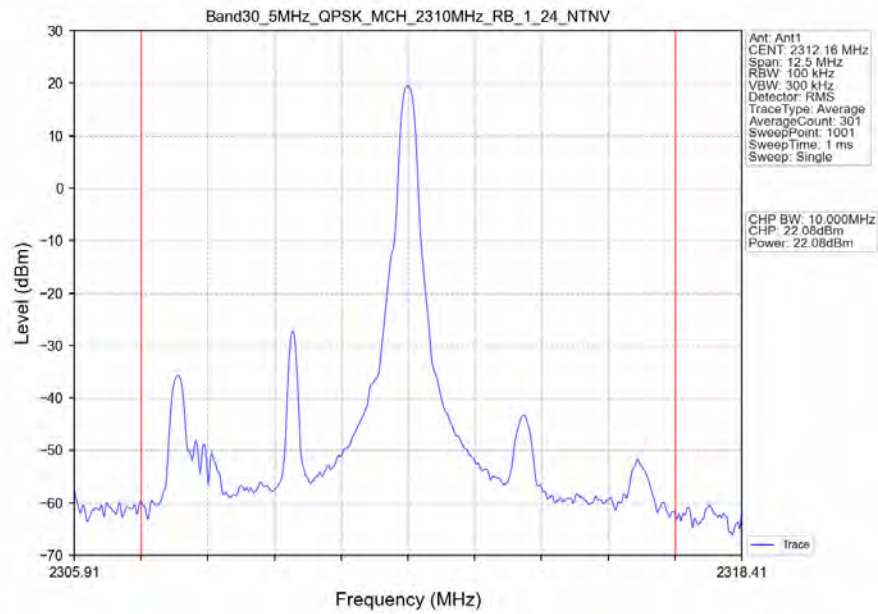
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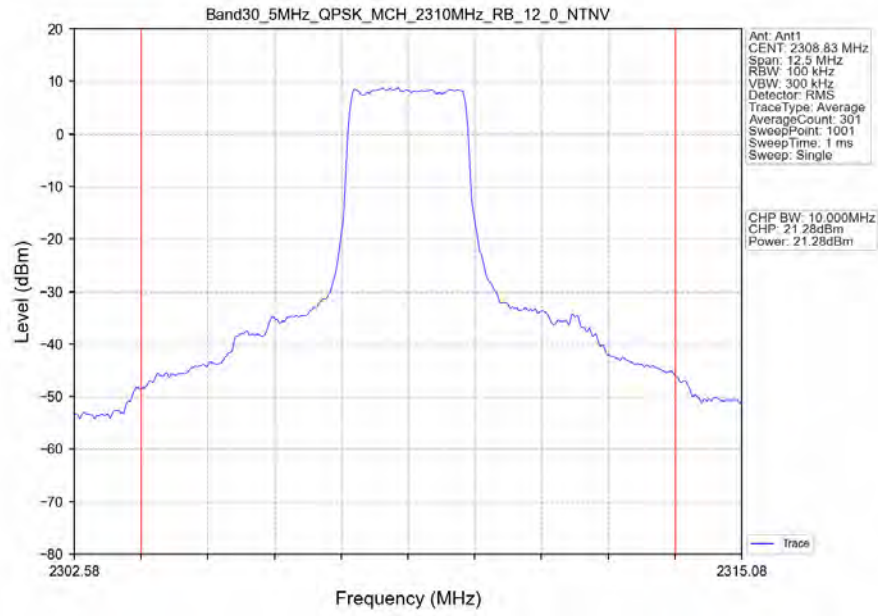
Band30_5MHz_QPSK_MCH_2310MHz_RB_1_13_NTNV



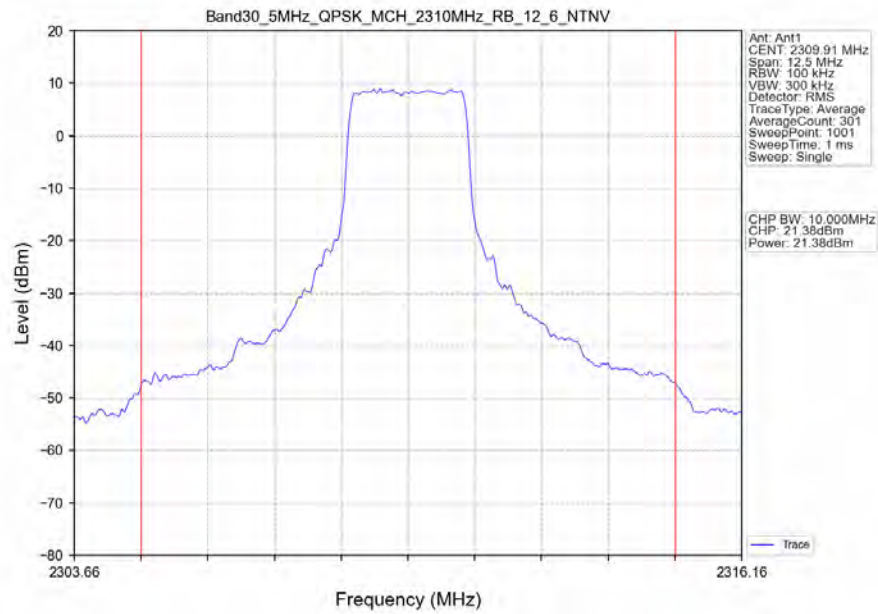
Band30_5MHz_QPSK_MCH_2310MHz_RB_1_24_NTNV



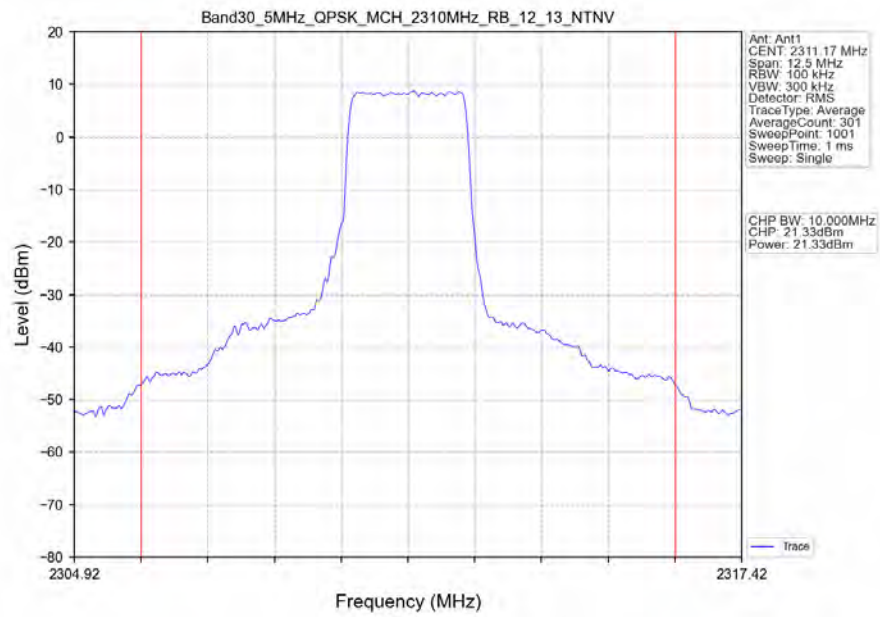
Band30_5MHz_QPSK_MCH_2310MHz_RB_12_0_NTNV



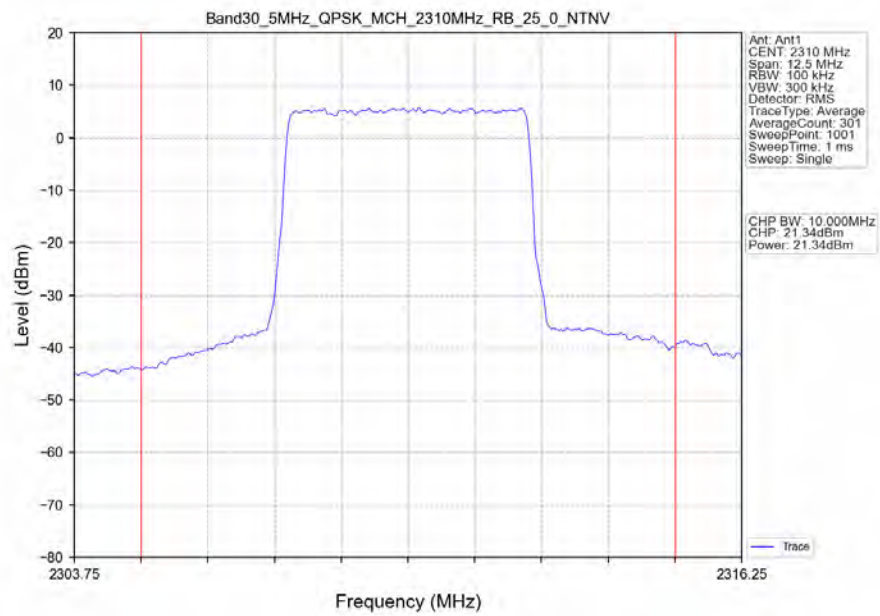
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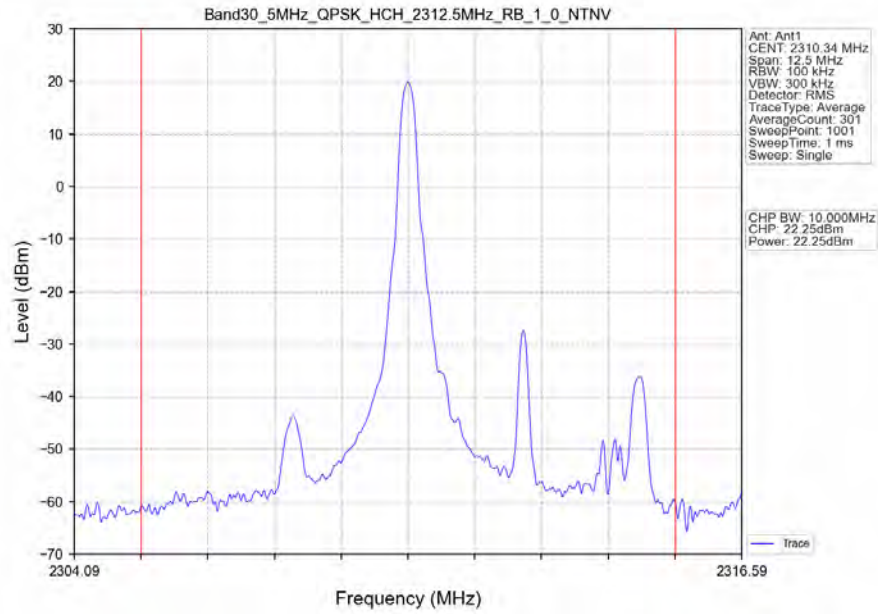
Band30_5MHz_QPSK_MCH_2310MHz_RB_12_13_NTNV



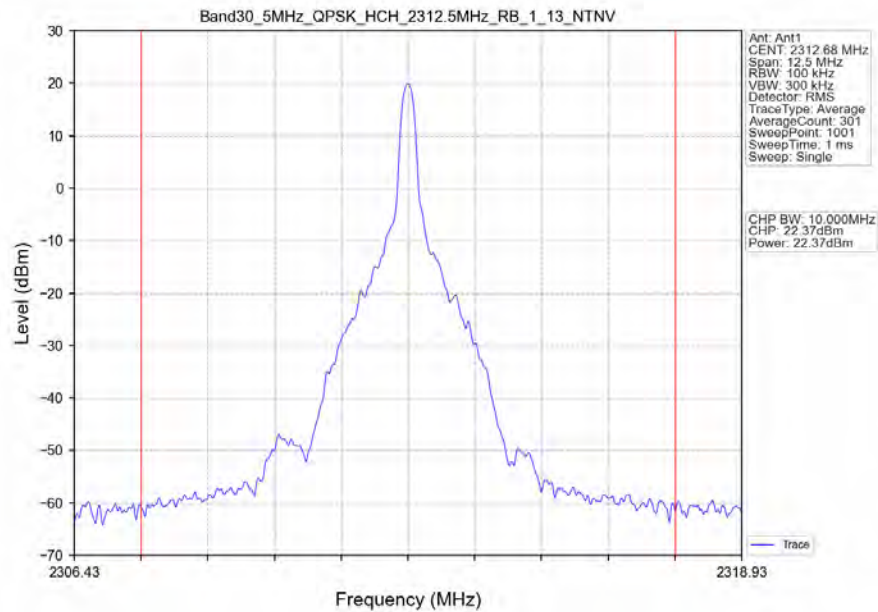
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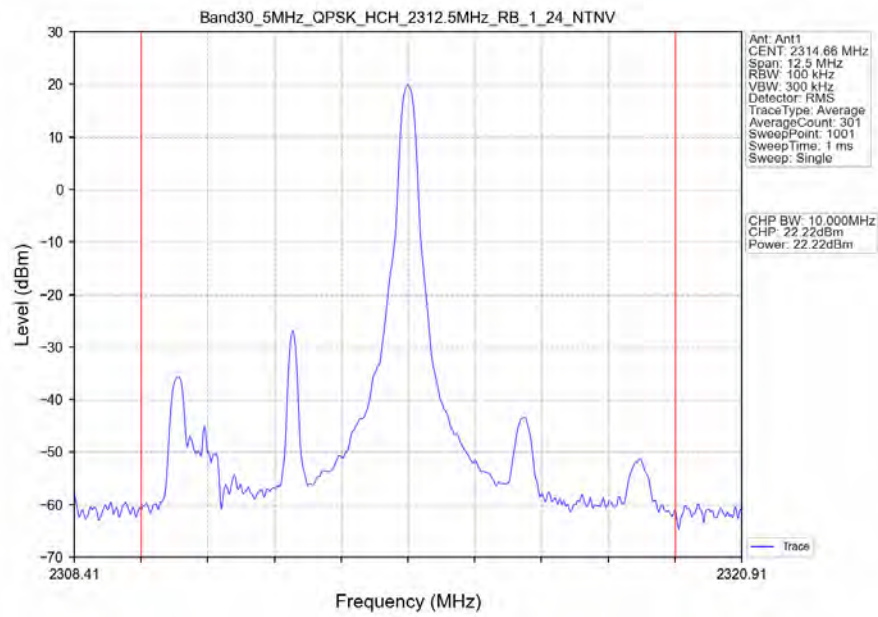
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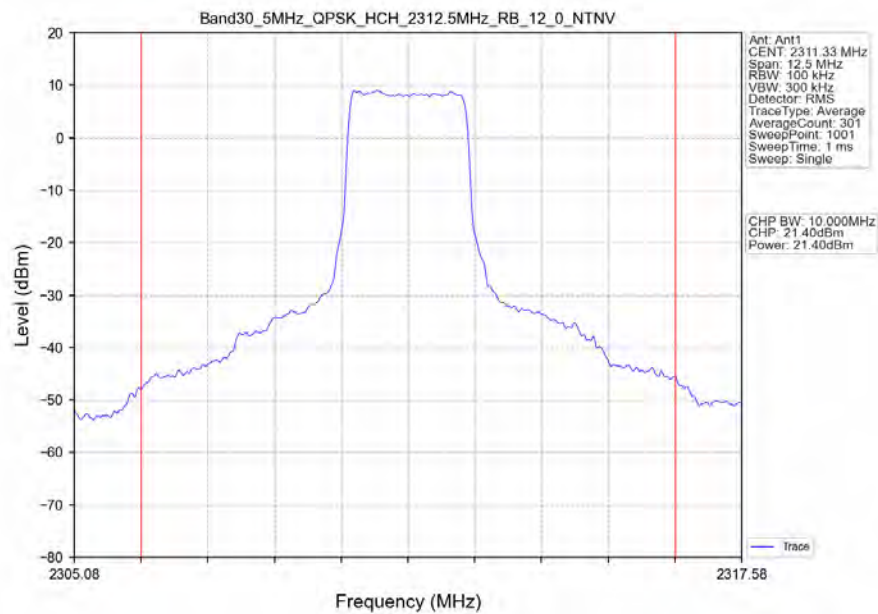
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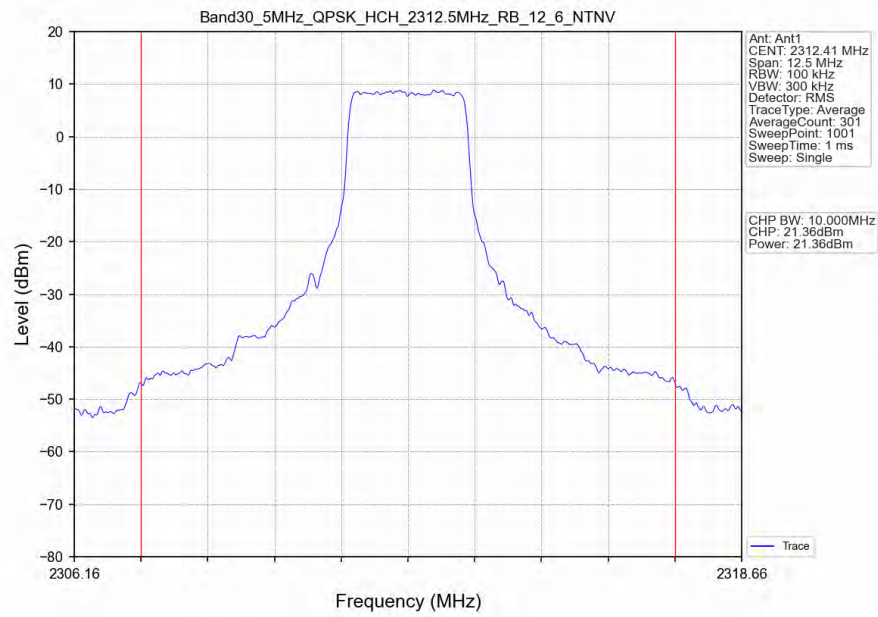
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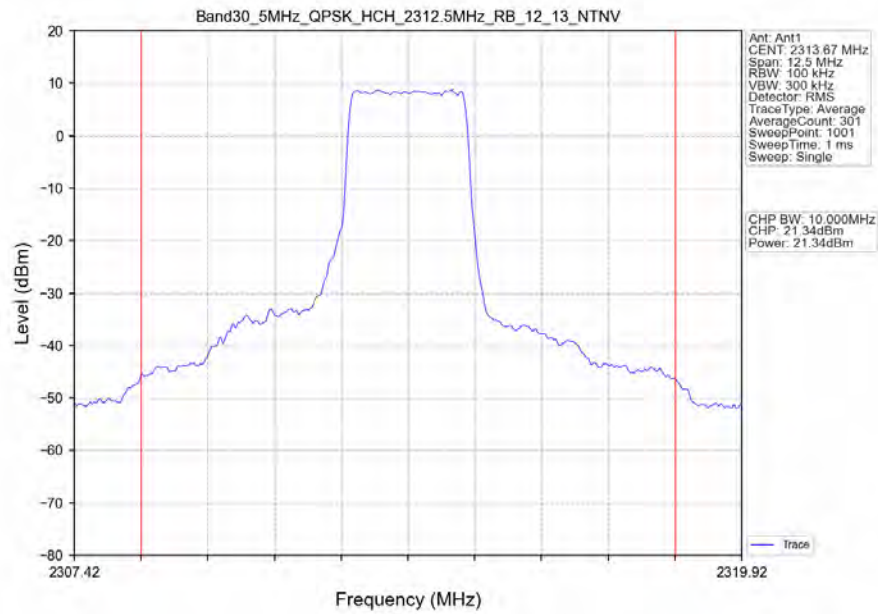
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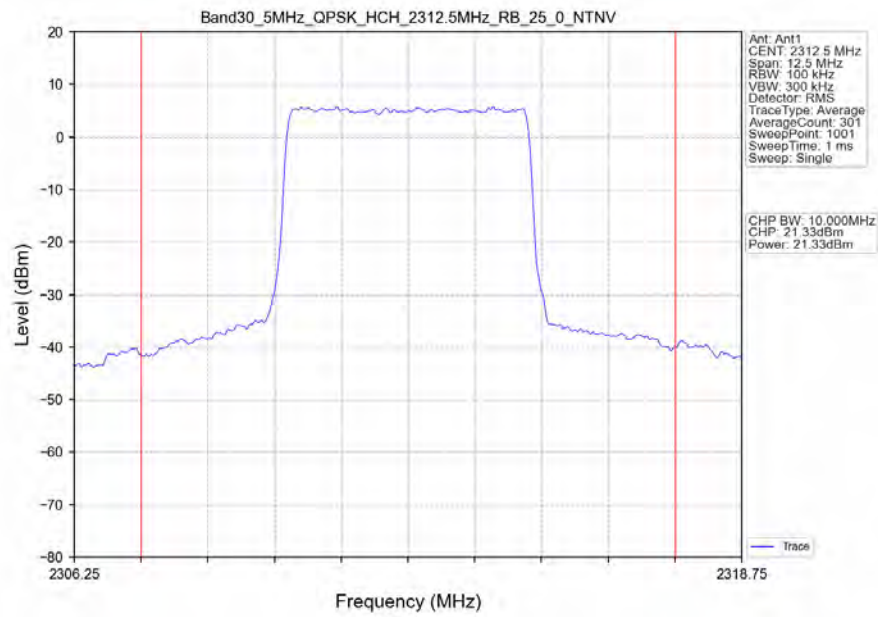
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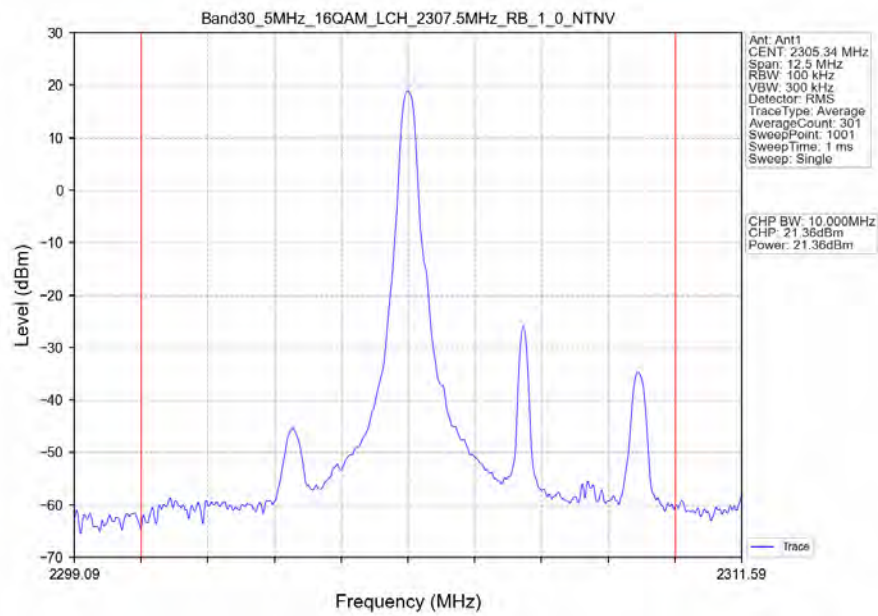
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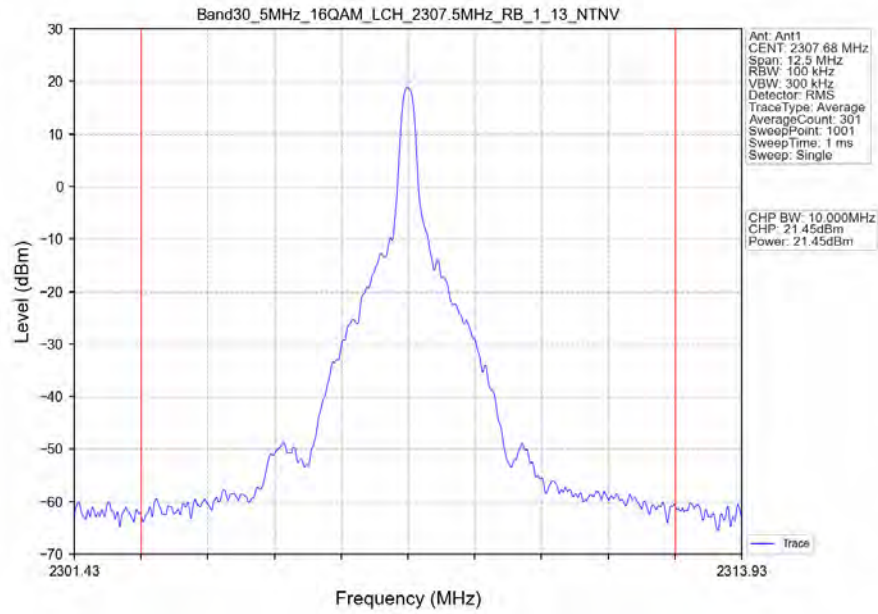
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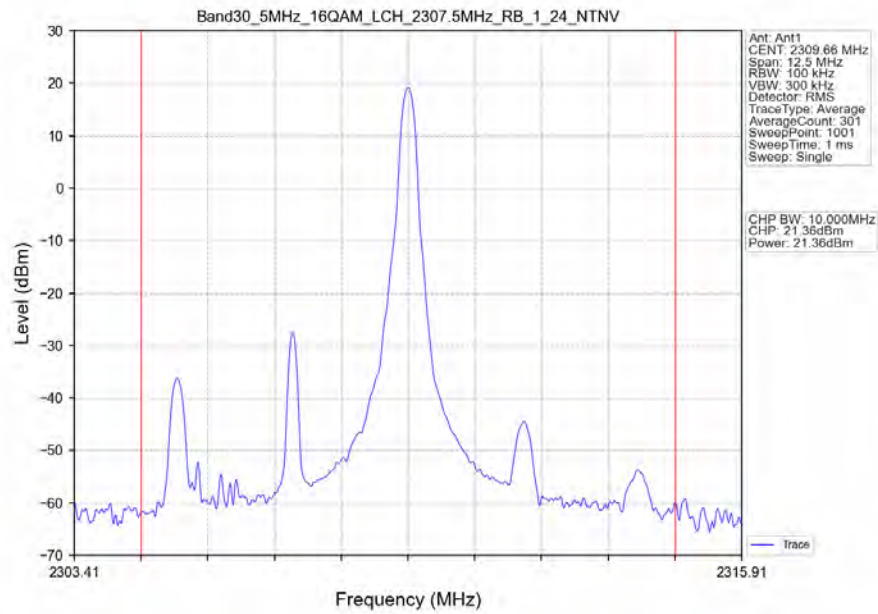
Band30_5MHz_16QAM_LCH_2307.5MHz_RB_1_0_NTNV



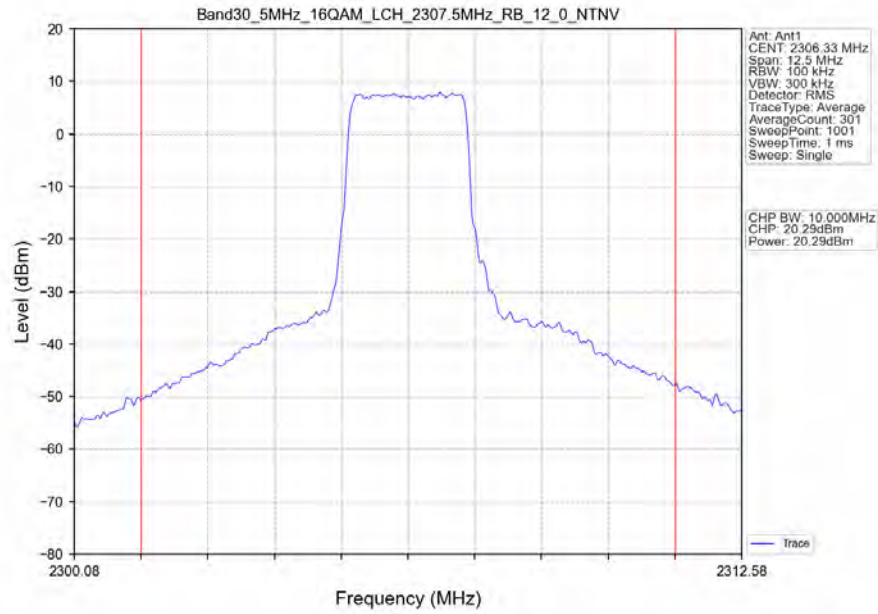
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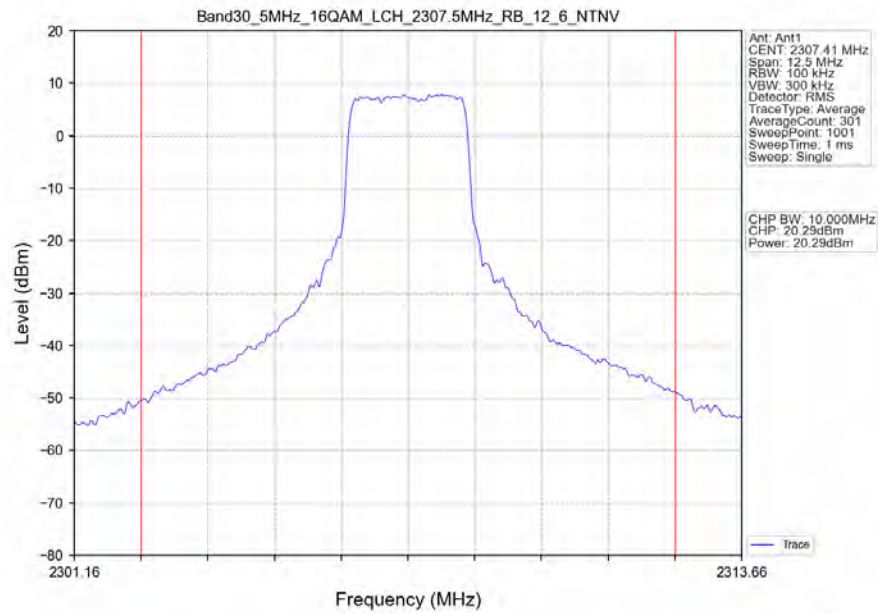
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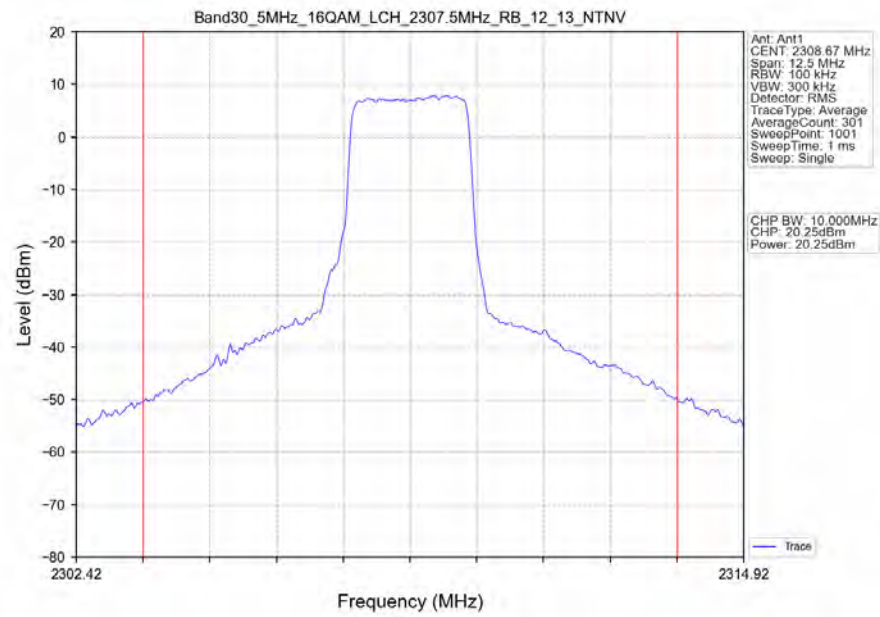
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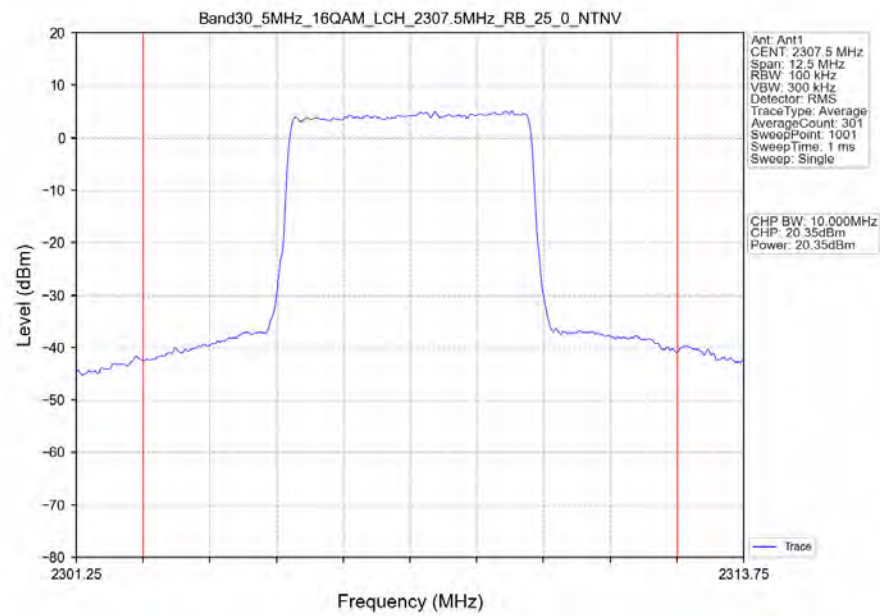
Band30 5MHz 16QAM LCH 2307.5MHz RB 12 6 NTN



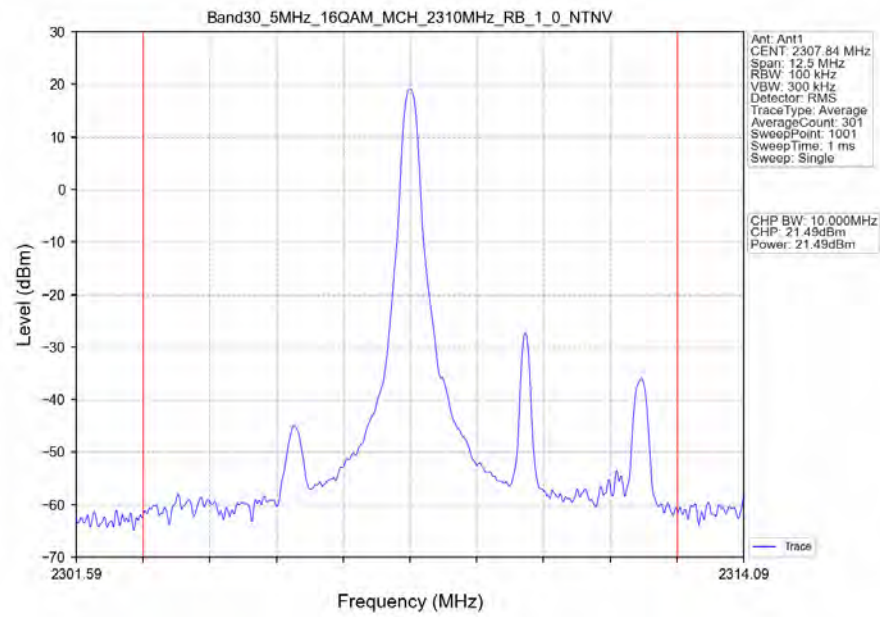
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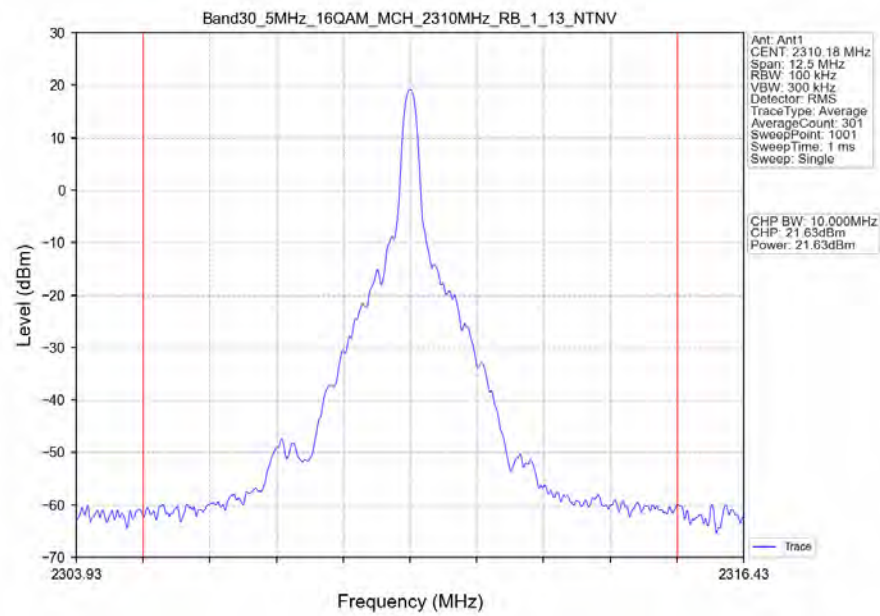
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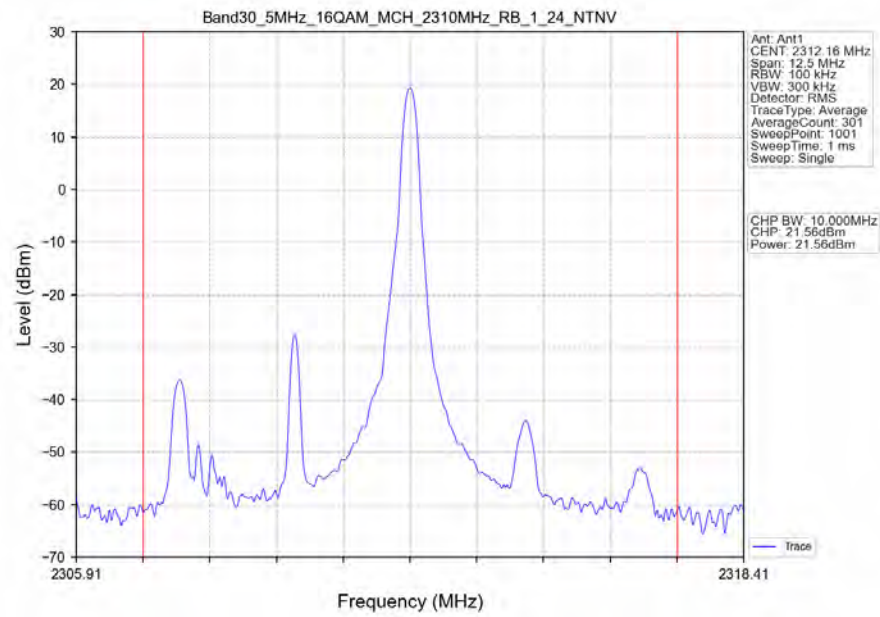
Band30_5MHz_16QAM_MCH_2310MHz_RB_1_0_NTNV



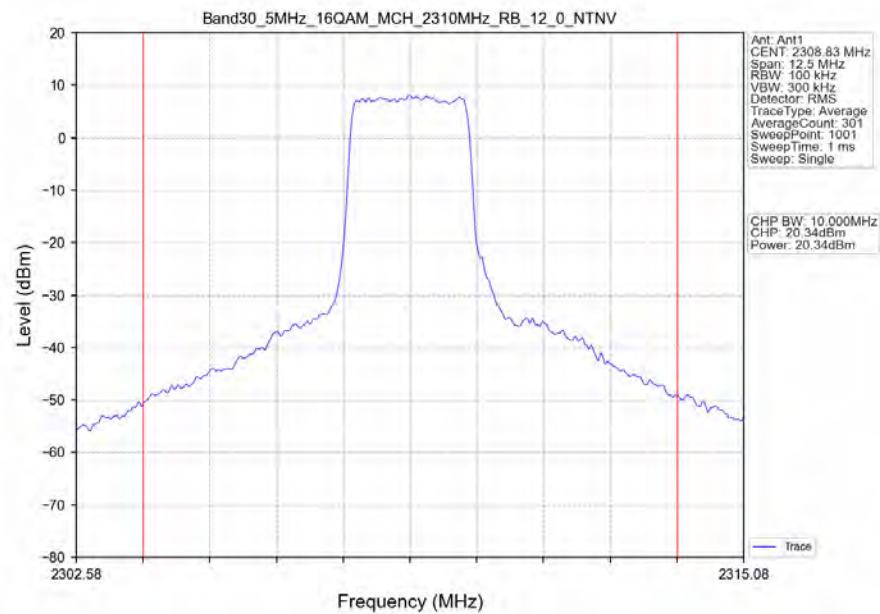
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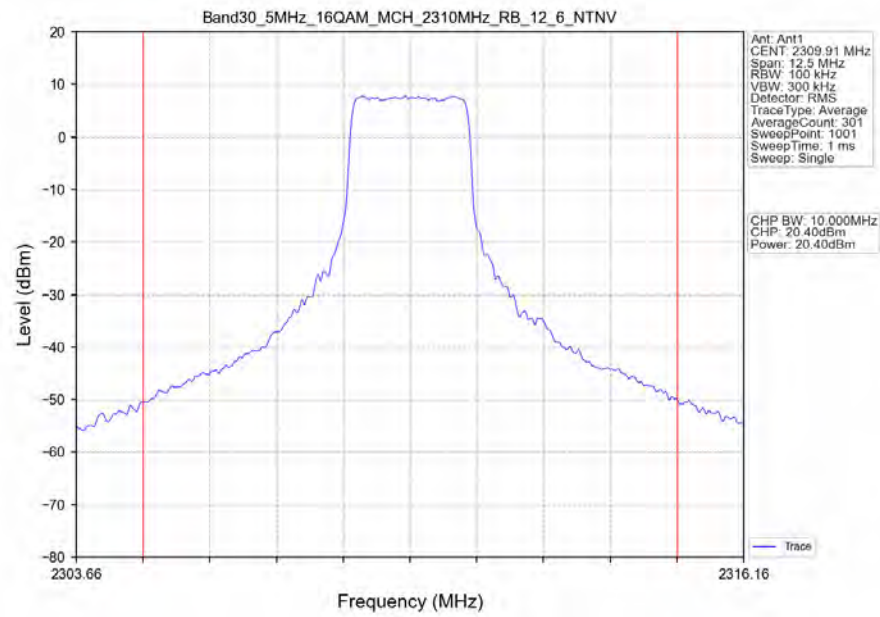
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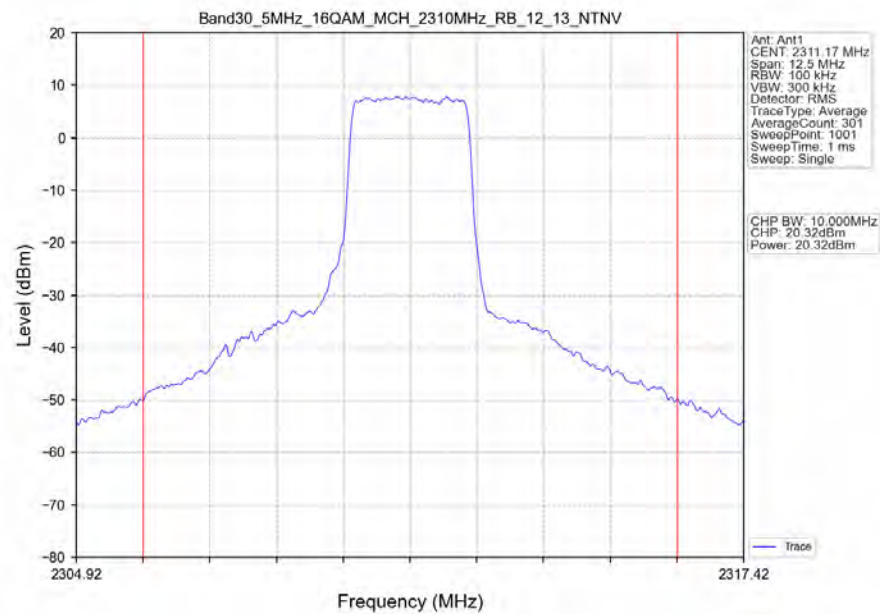
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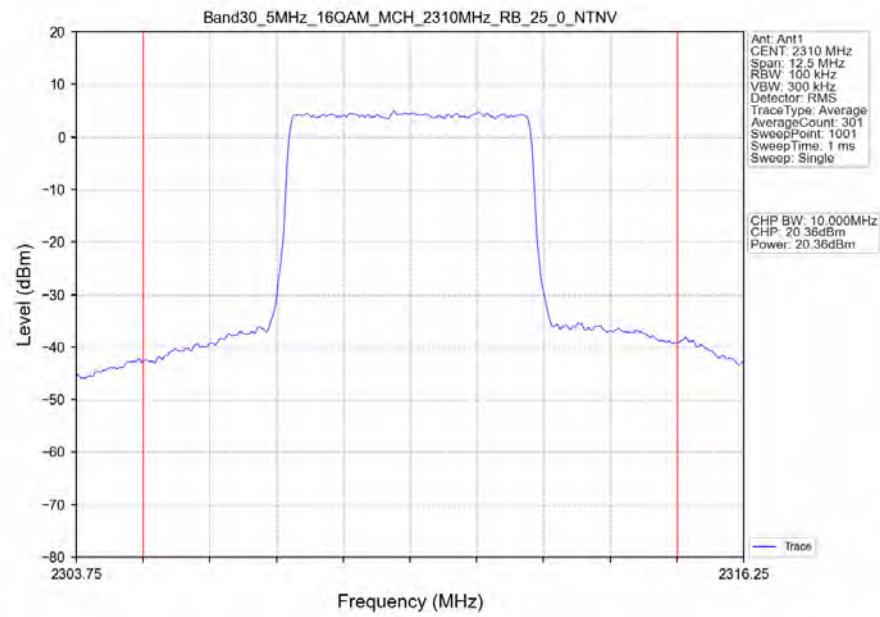
Band30 5MHz 16QAM MCH 2310MHz RB 12 6 NTN



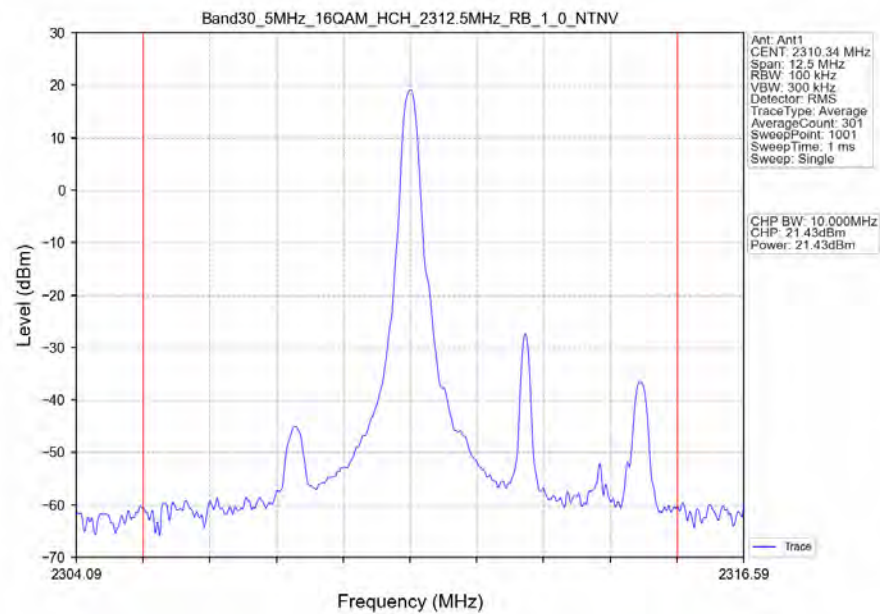
Band30 5MHz 16QAM MCH 2310MHz RB 12 13 NTN



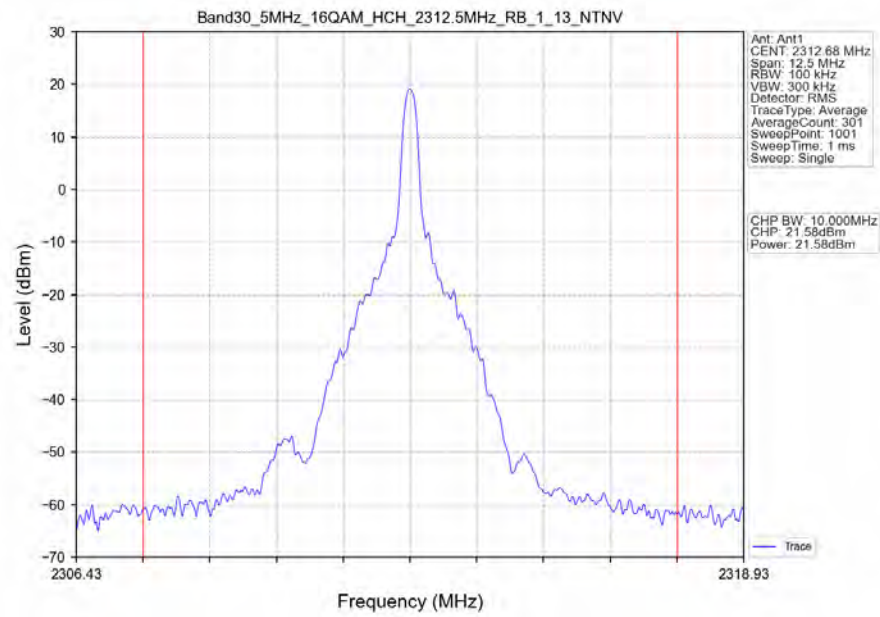
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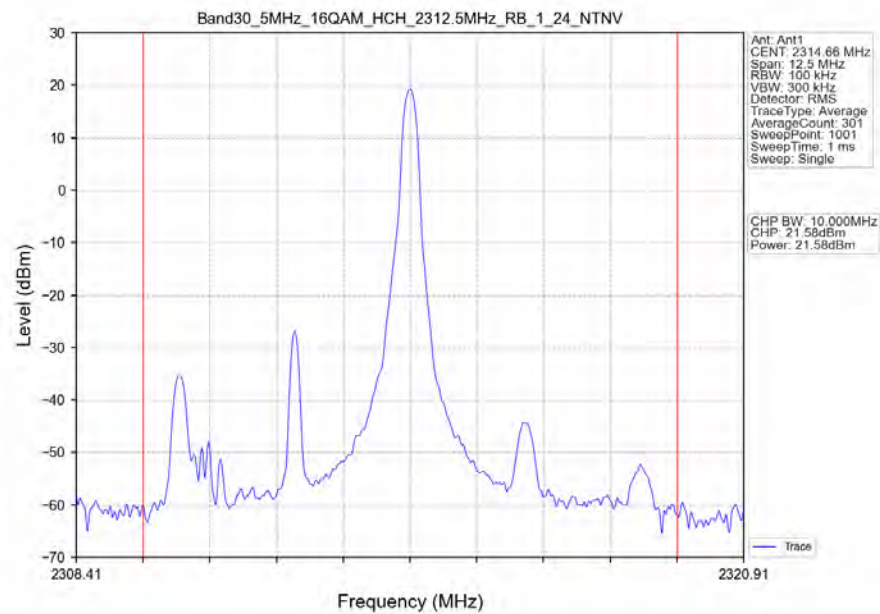
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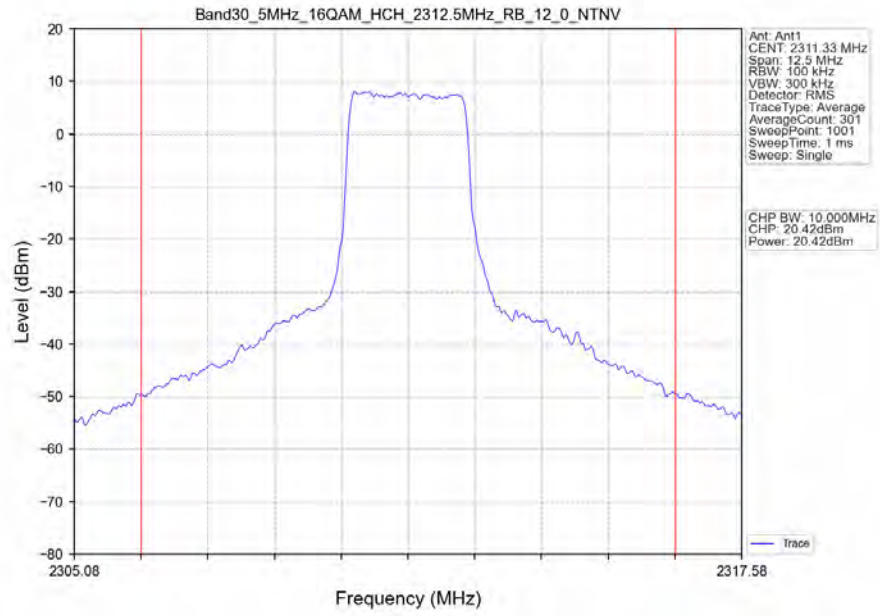
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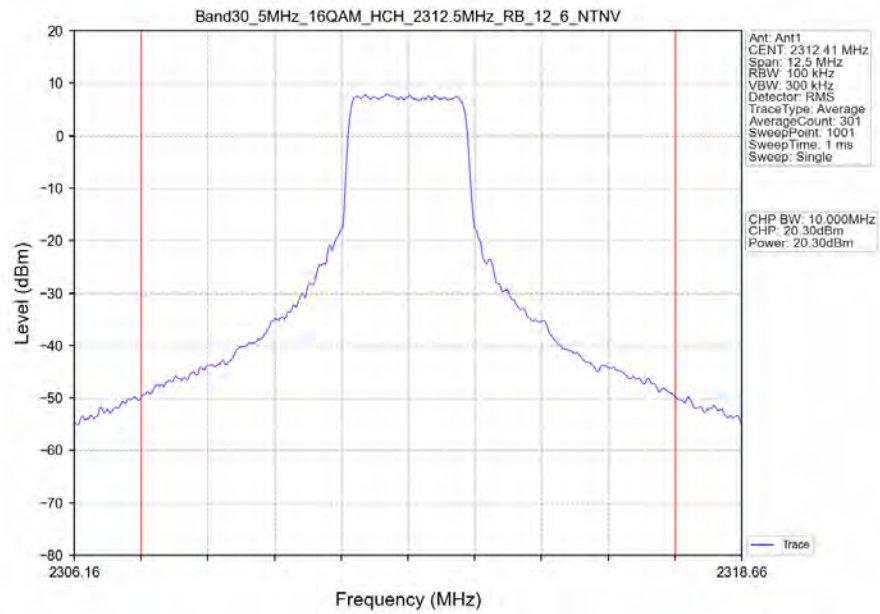
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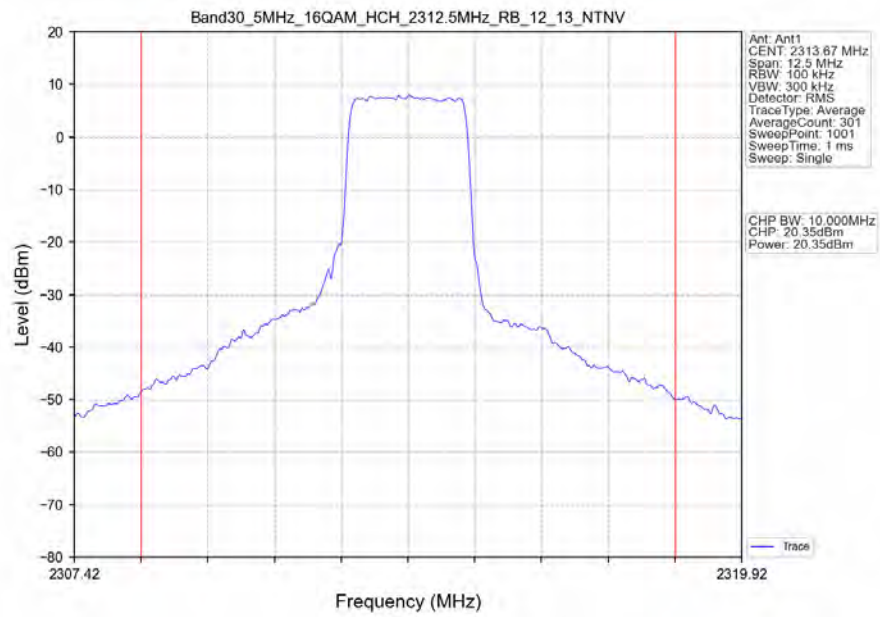
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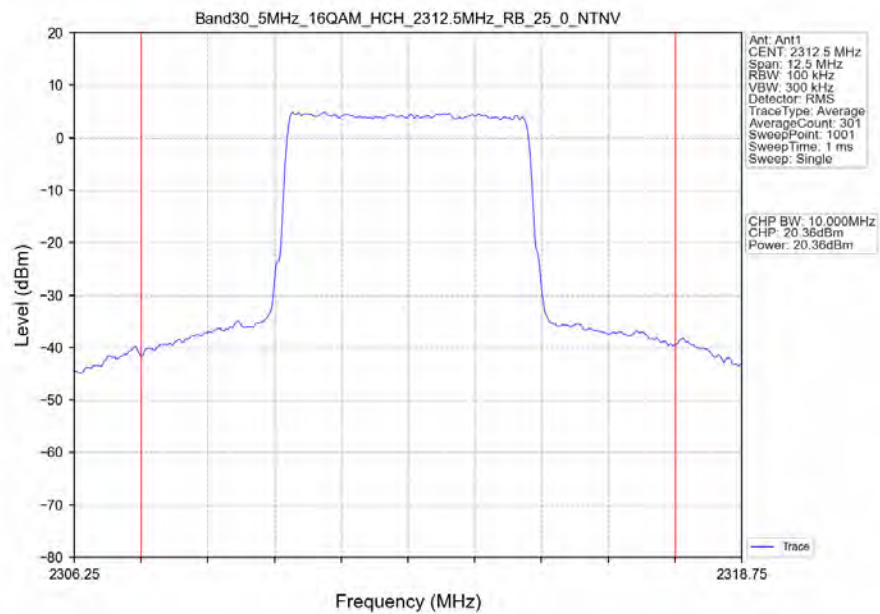
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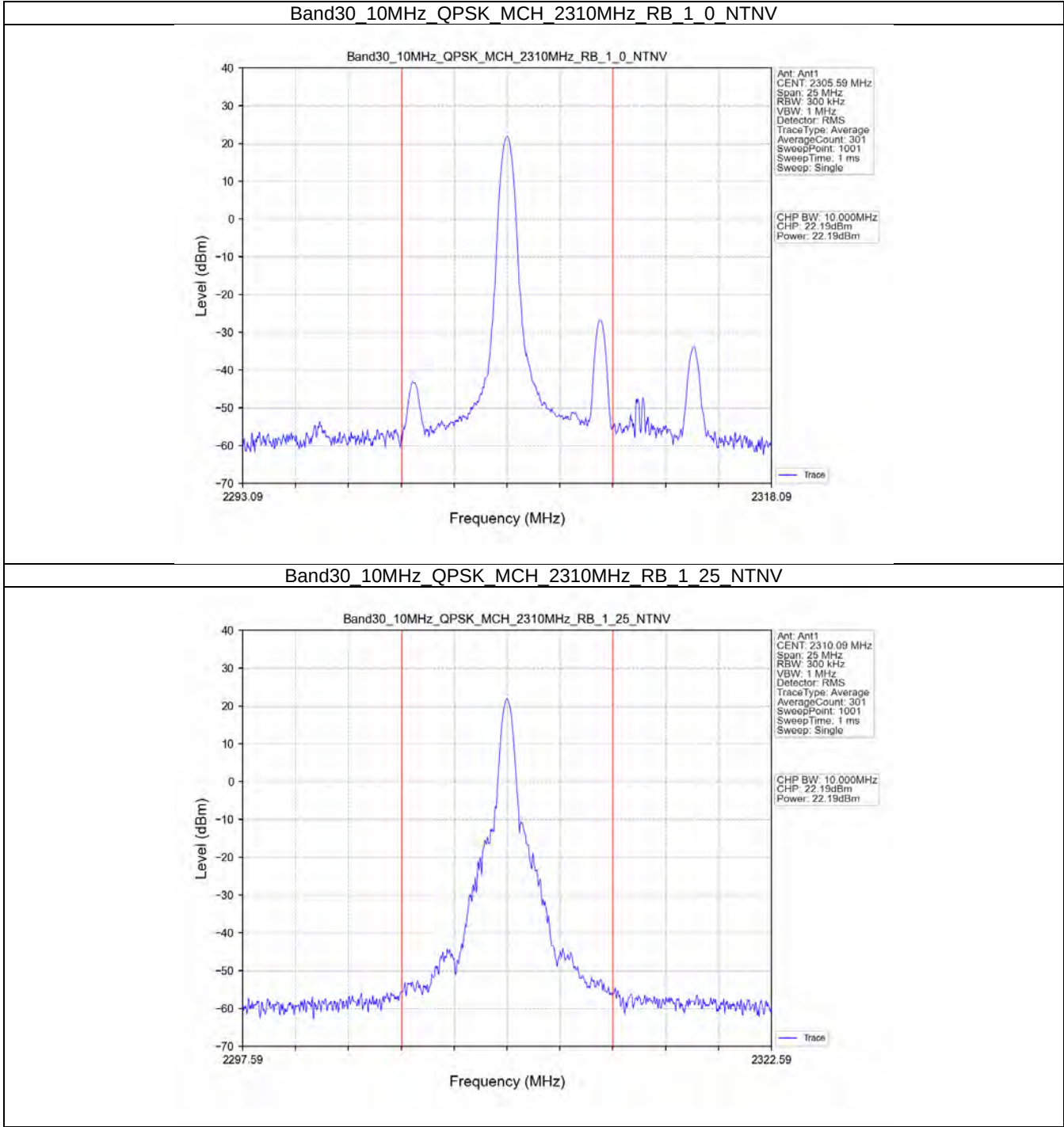
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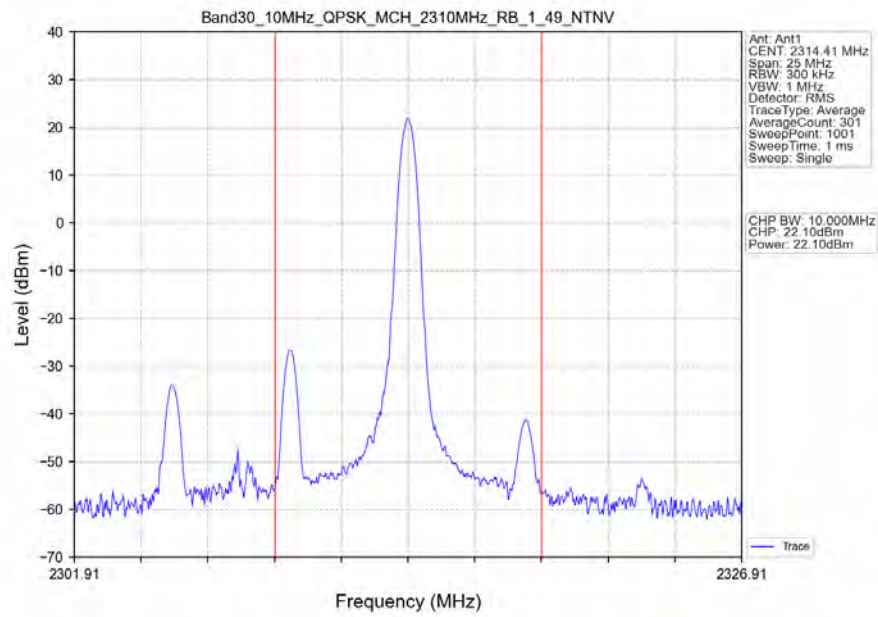
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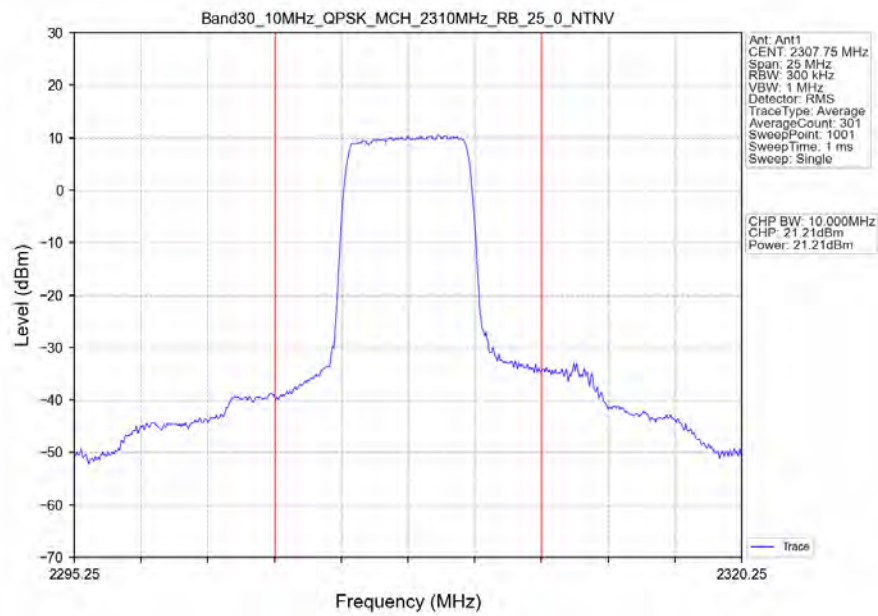
1.2.2 B30_10MHz_EIRP/10MHz



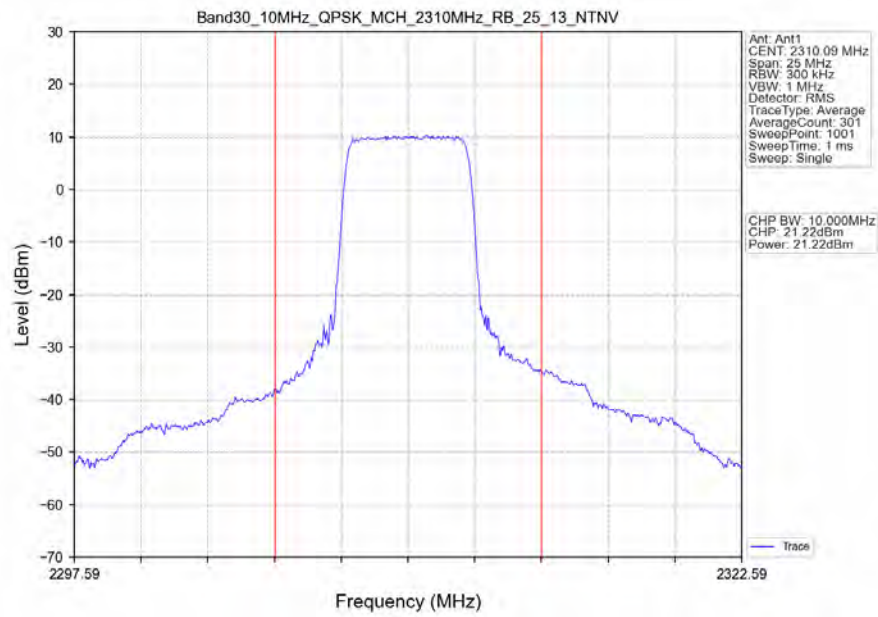
Band30_10MHz_QPSK_MCH_2310MHz_RB_1_49_NTNV



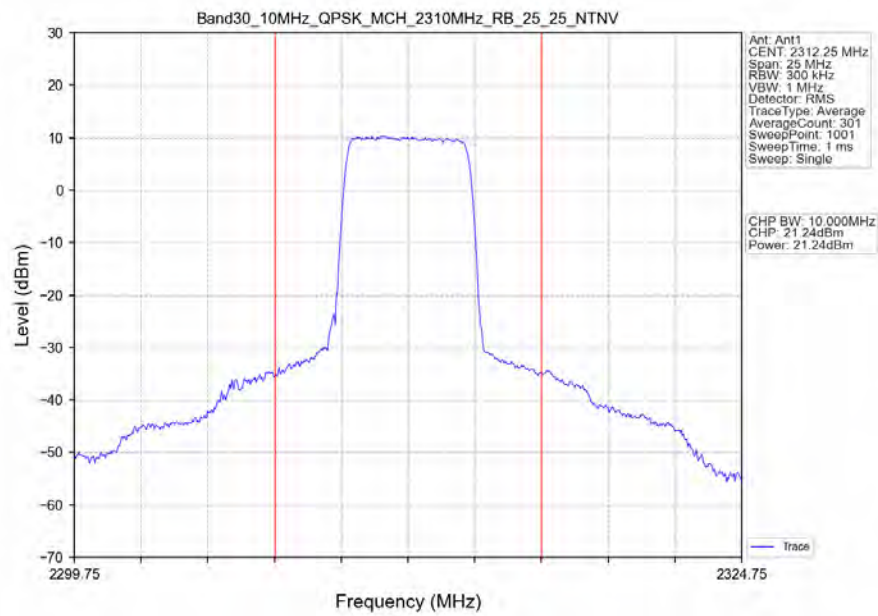
Band30_10MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV



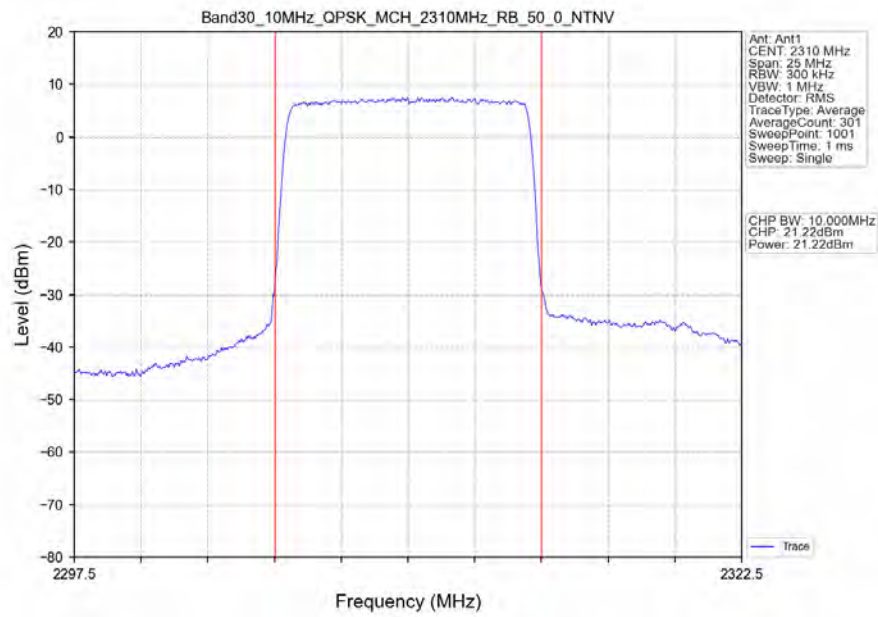
Band30_10MHz_QPSK_MCH_2310MHz_RB_25_13_NTNV



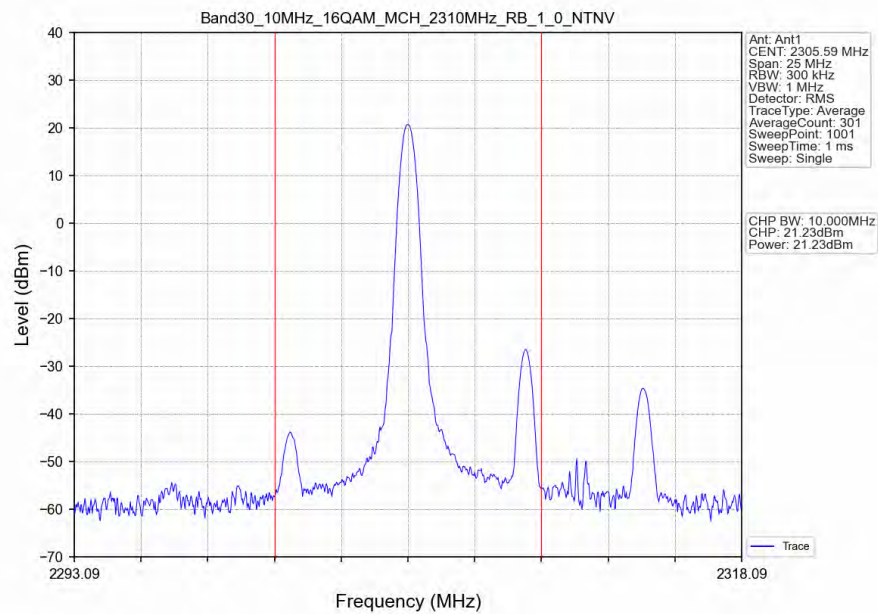
Band30_10MHz_QPSK_MCH_2310MHz_RB_25_25_NTNV



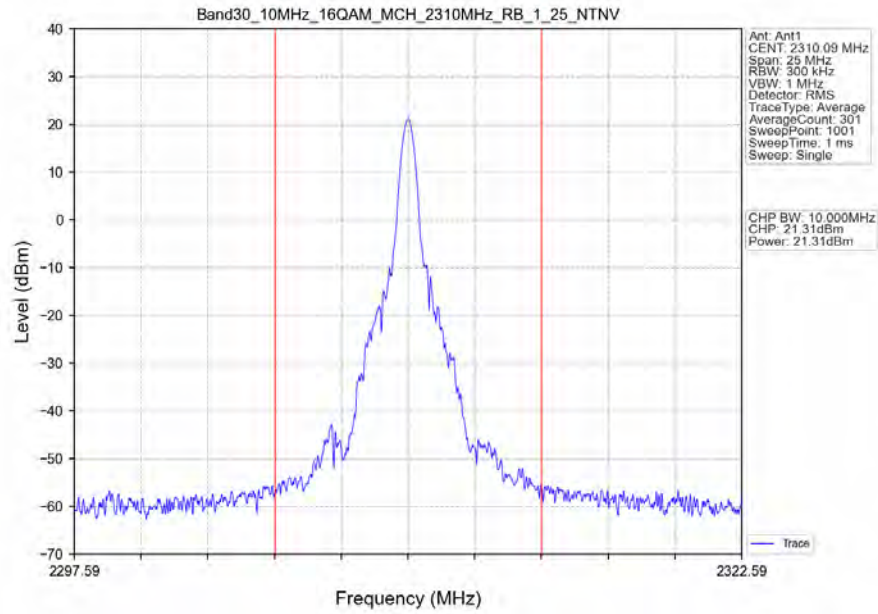
Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



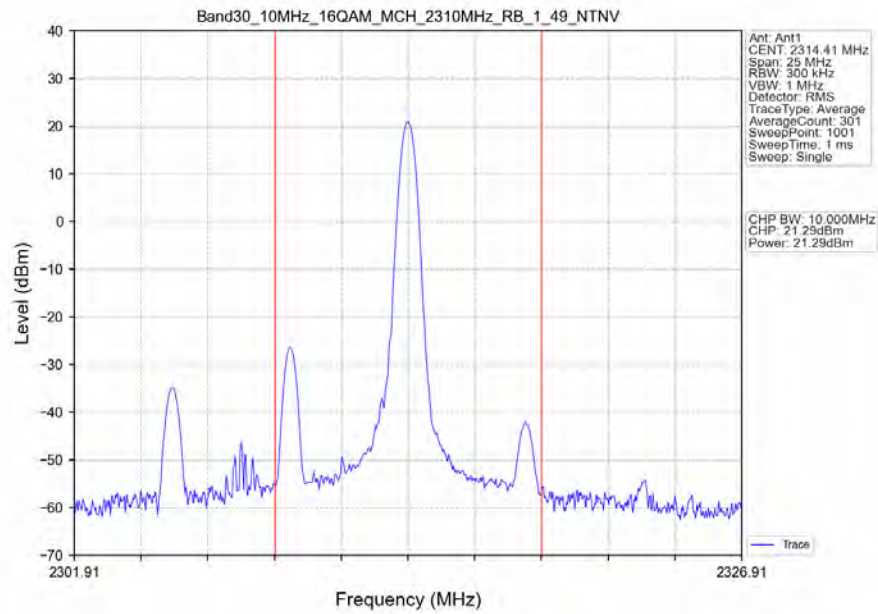
Band30_10MHz_16QAM_MCH_2310MHz_RB_1_0_NTNV



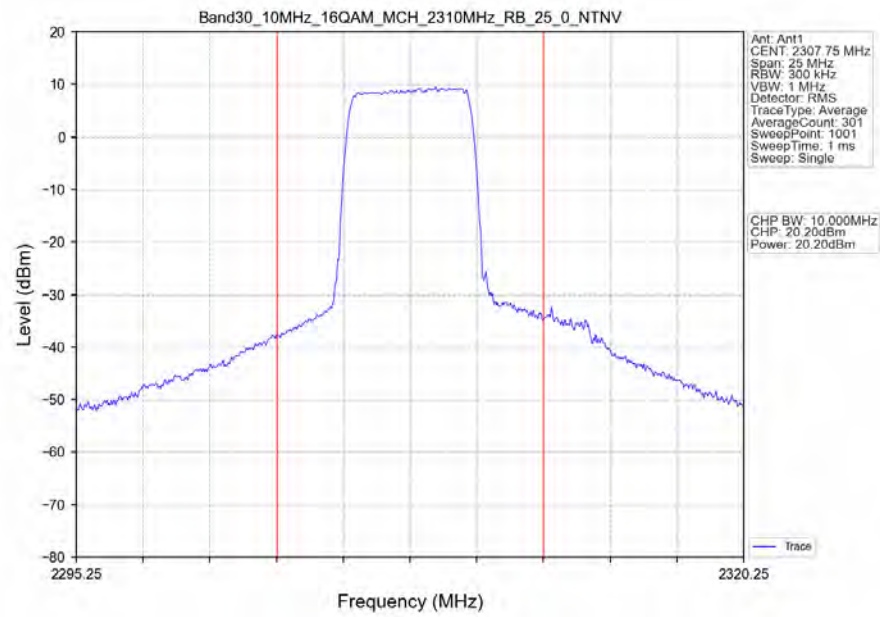
Band30_10MHz_16QAM_MCH_2310MHz_RB_1_25_NTNV



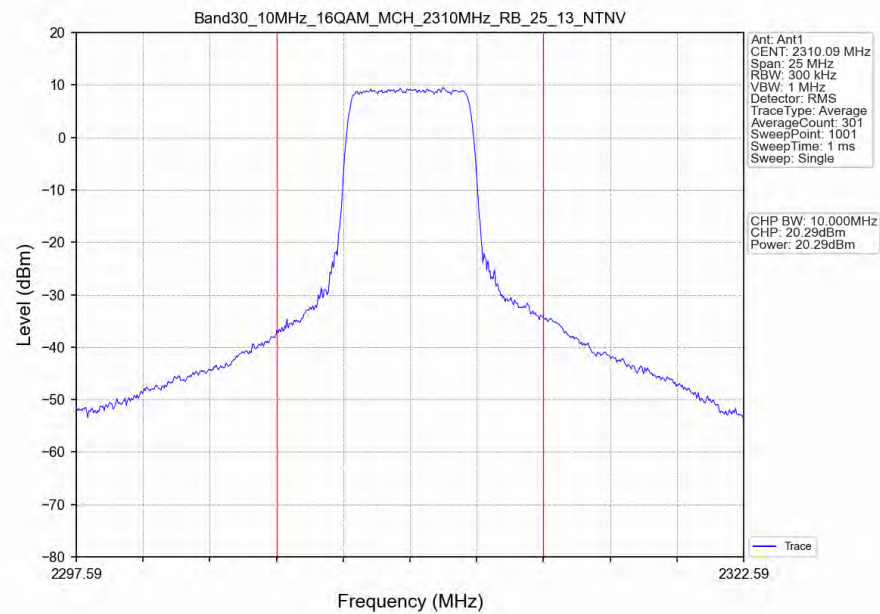
Band30_10MHz_16QAM_MCH_2310MHz_RB_1_49_NTNV



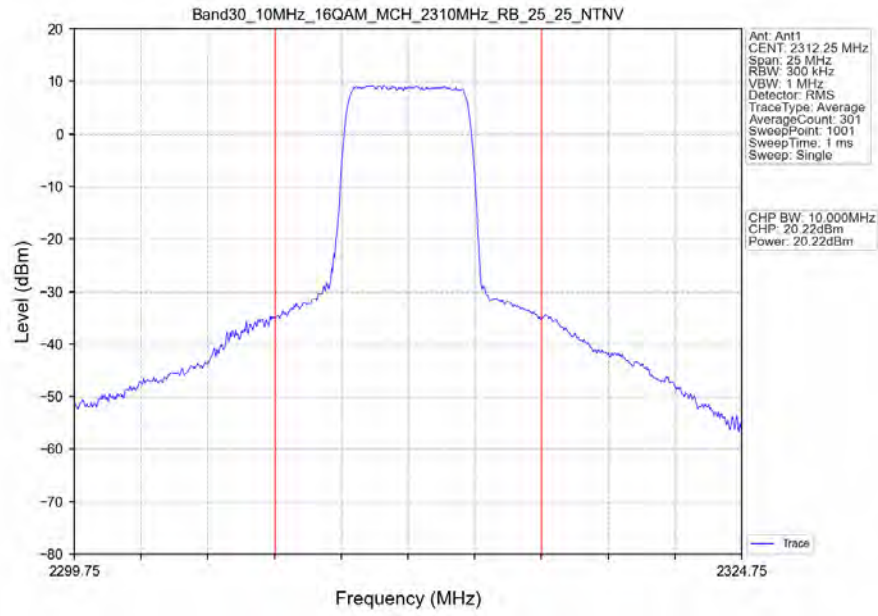
Band30_10MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



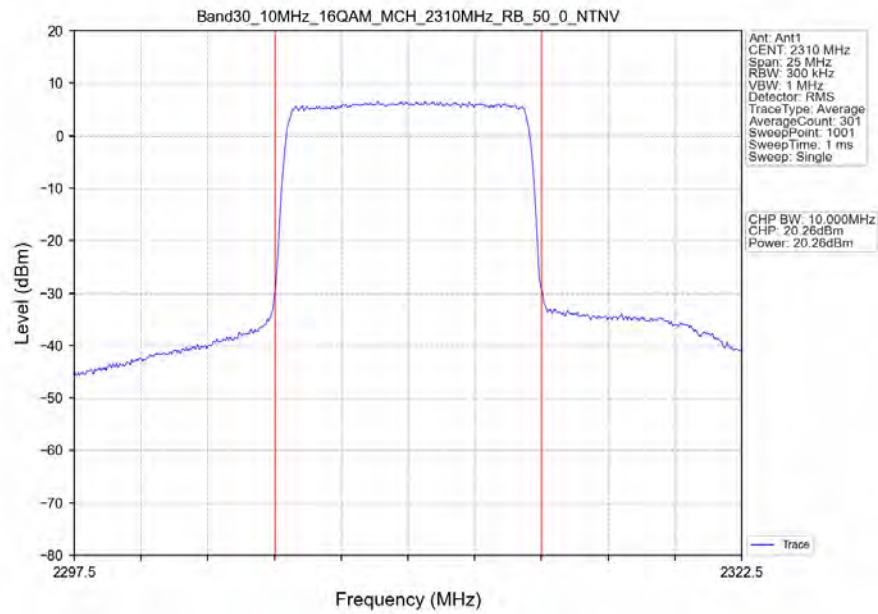
Band30_10MHz_16QAM_MCH_2310MHz_RB_25_13_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_25_25_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



2. Frequency Stability

2.1 Test Result

2.1.1 B30_5MHz

Band: 30 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.27	-7.266	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.778	-0.0016	-2.5 to 2.5	Pass
					4.43	-10.777	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-8.107	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.945	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-7.124	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-3.284	-0.0014	-2.5 to 2.5	Pass
				10	3.85	0.071	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.772	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-3.364	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-7.140	-0.0031	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-1.289	-0.0006	-2.5 to 2.5	Pass
					3.85	4.106	0.0018	-2.5 to 2.5	Pass
					4.43	2.741	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	8.434	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-0.989	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.954	0.0004	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0014	-2.5 to 2.5	Pass
				30	3.85	6.759	0.0029	-2.5 to 2.5	Pass
				40	3.85	1.098	0.0005	-2.5 to 2.5	Pass
				50	3.85	3.205	0.0014	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	5.089	0.0022	-2.5 to 2.5	Pass
					3.85	10.599	0.0046	-2.5 to 2.5	Pass
					4.43	2.977	0.0013	-2.5 to 2.5	Pass
				-30	3.85	14.009	0.0061	-2.5 to 2.5	Pass
				-20	3.85	1.539	0.0007	-2.5 to 2.5	Pass
				-10	3.85	4.499	0.0019	-2.5 to 2.5	Pass
				0	3.85	1.222	0.0005	-2.5 to 2.5	Pass
				10	3.85	5.899	0.0026	-2.5 to 2.5	Pass
				30	3.85	6.938	0.0030	-2.5 to 2.5	Pass
				40	3.85	2.394	0.0010	-2.5 to 2.5	Pass
				50	3.85	10.899	0.0047	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.27	1.457	0.0006	-2.5 to 2.5	Pass
					3.85	2.195	0.0010	-2.5 to 2.5	Pass
					4.43	-6.468	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.156	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-8.846	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-9.438	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-1.205	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.985	0.0009	-2.5 to 2.5	Pass
				30	3.85	-10.285	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-9.791	-0.0042	-2.5 to 2.5	Pass
				50	3.85	2.261	0.0010	-2.5 to 2.5	Pass

	2310	25	0	20	3.27	-0.152	-0.0001	-2.5 to 2.5	Pass
					3.85	-4.042	-0.0017	-2.5 to 2.5	Pass
					4.43	3.832	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.062	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.430	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	7.431	0.0032	-2.5 to 2.5	Pass
				0	3.85	2.586	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.184	0.0005	-2.5 to 2.5	Pass
				30	3.85	7.393	0.0032	-2.5 to 2.5	Pass
				40	3.85	6.193	0.0027	-2.5 to 2.5	Pass
				50	3.85	4.938	0.0021	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	7.844	0.0034	-2.5 to 2.5	Pass
					3.85	16.509	0.0071	-2.5 to 2.5	Pass
					4.43	6.646	0.0029	-2.5 to 2.5	Pass
				-30	3.85	9.358	0.0040	-2.5 to 2.5	Pass
				-20	3.85	11.168	0.0048	-2.5 to 2.5	Pass
				-10	3.85	14.319	0.0062	-2.5 to 2.5	Pass
				0	3.85	15.955	0.0069	-2.5 to 2.5	Pass
				10	3.85	15.737	0.0068	-2.5 to 2.5	Pass
				30	3.85	15.562	0.0067	-2.5 to 2.5	Pass
				40	3.85	1.343	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.836	0.0004	-2.5 to 2.5	Pass

2.1.2 B30_10MHz

Band: 30 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	3.27	-2.900	-0.0013	-2.5 to 2.5	Pass
					3.85	8.063	0.0035	-2.5 to 2.5	Pass
					4.43	7.901	0.0034	-2.5 to 2.5	Pass
				-30	3.85	8.071	0.0035	-2.5 to 2.5	Pass
				-20	3.85	1.167	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.409	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.732	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.370	0.0006	-2.5 to 2.5	Pass
				30	3.85	5.063	0.0022	-2.5 to 2.5	Pass
				40	3.85	5.788	0.0025	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.27	-5.684	-0.0025	-2.5 to 2.5	Pass
					3.85	-1.751	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.158	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.092	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.591	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.099	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.559	0.0007	-2.5 to 2.5	Pass
				10	3.85	8.907	0.0039	-2.5 to 2.5	Pass
				30	3.85	6.429	0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.913	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.642	-0.0020	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band30_OBW

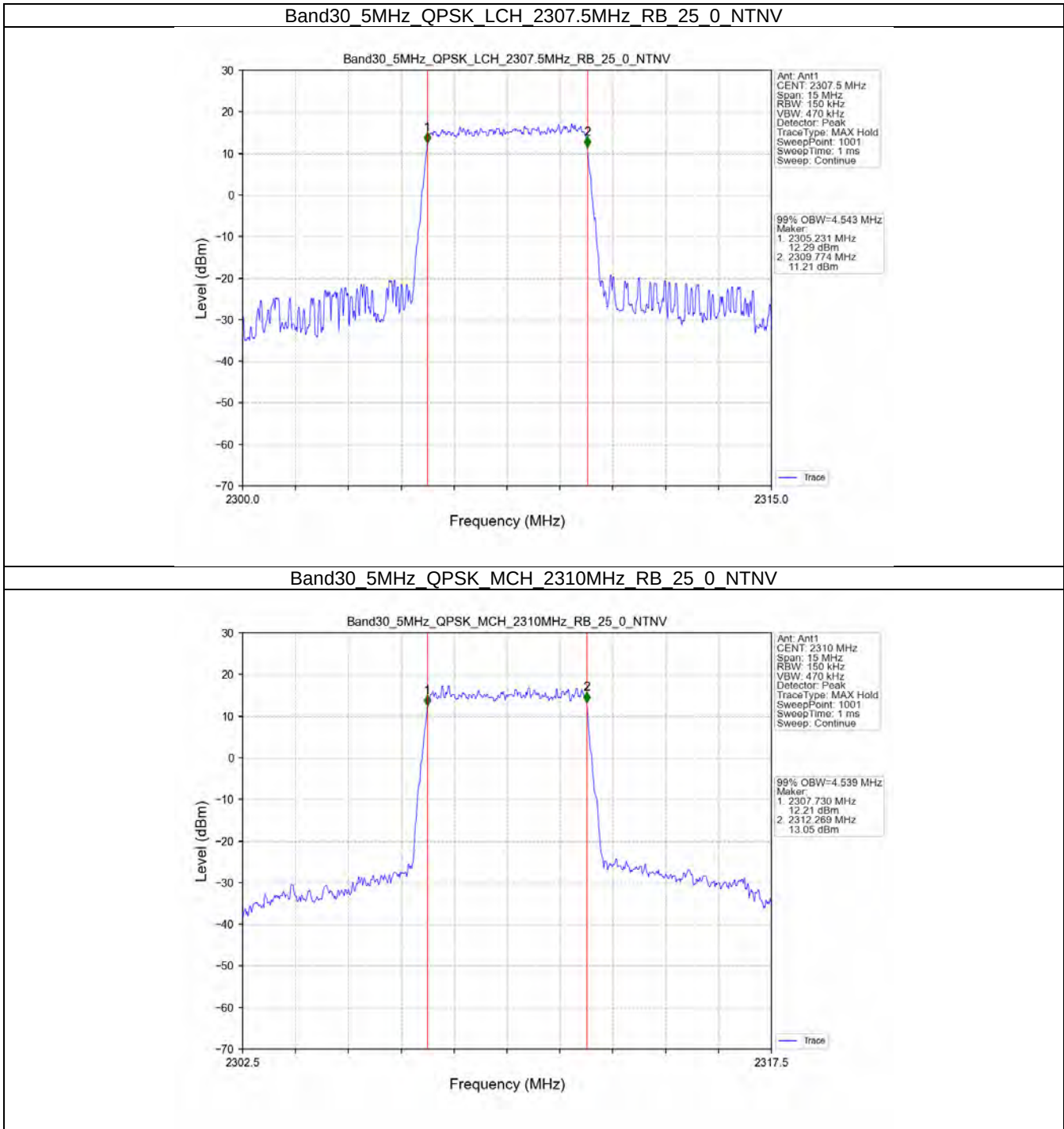
Band: 30 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	4.543	/	Pass
		2310	25	0	4.539	/	Pass
		2312.5	25	0	4.562	/	Pass
	16QAM	2307.5	25	0	4.557	/	Pass
		2310	25	0	4.564	/	Pass
		2312.5	25	0	4.539	/	Pass
10	QPSK	2310	50	0	9.039	/	Pass
	16QAM	2310	50	0	9.038	/	Pass

3.1.2 Band30_XDB

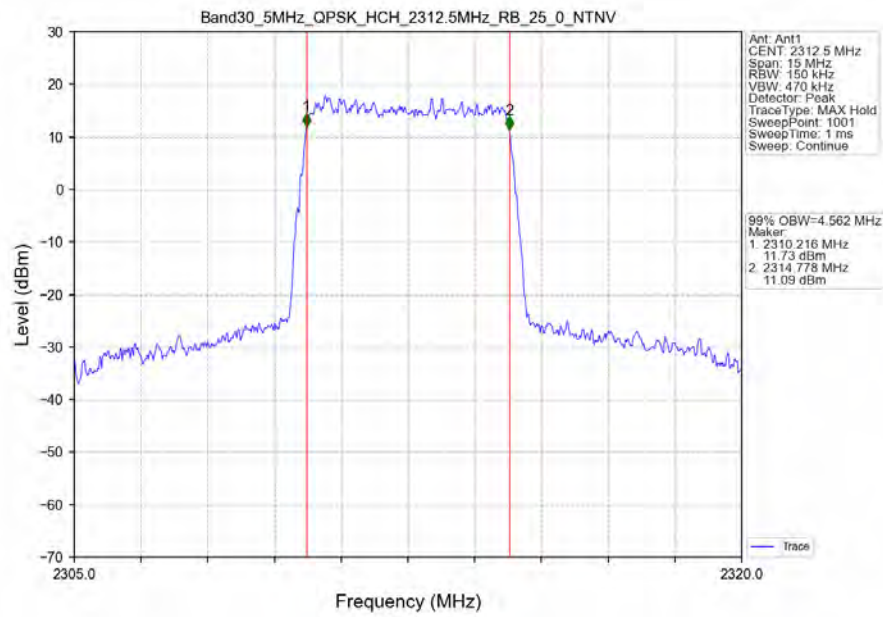
Band: 30 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	5.049	/	Pass
		2310	25	0	5.033	/	Pass
		2312.5	25	0	5.034	/	Pass
	16QAM	2307.5	25	0	5.068	/	Pass
		2310	25	0	5.077	/	Pass
		2312.5	25	0	5.010	/	Pass
10	QPSK	2310	50	0	9.962	/	Pass
	16QAM	2310	50	0	9.960	/	Pass

3.2 Test Graph

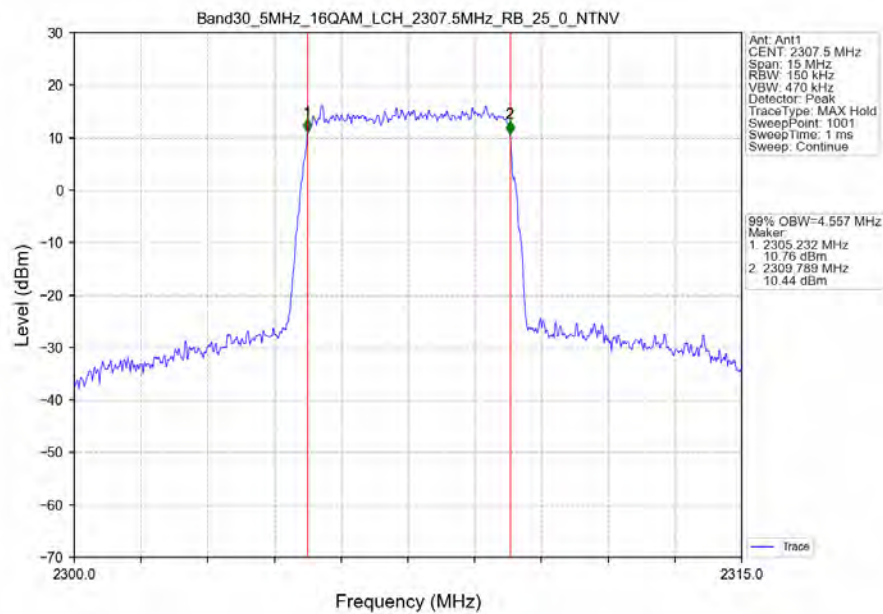
3.2.1 Band30_OBW



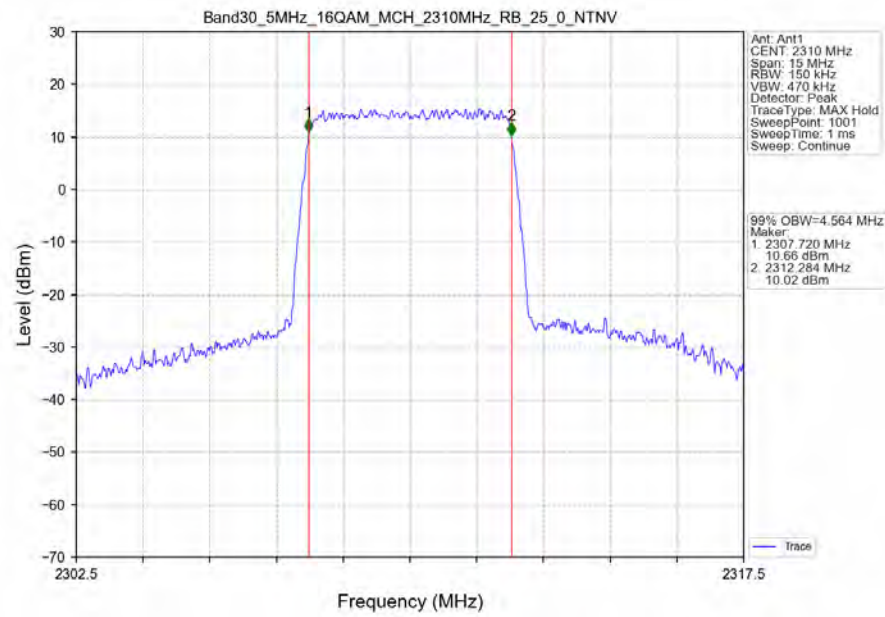
Band30_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



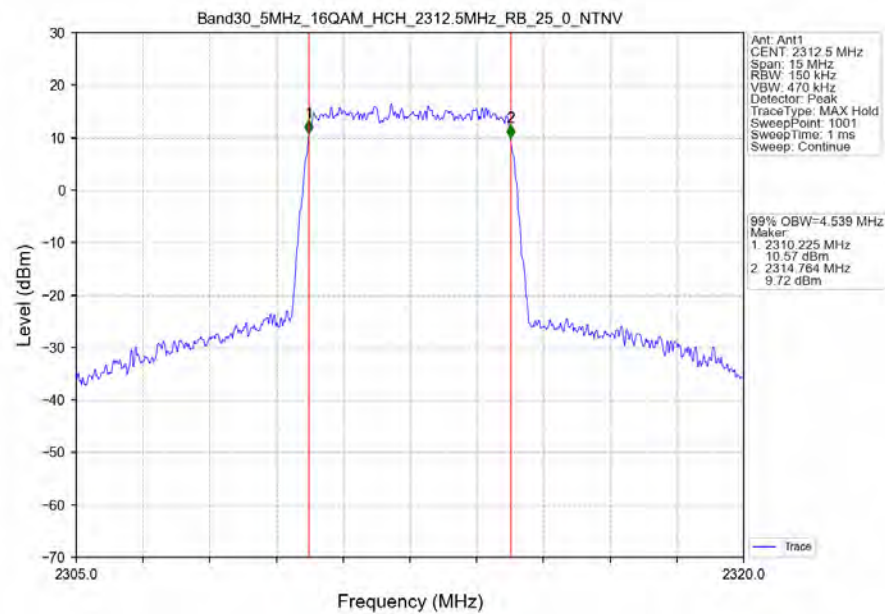
Band30_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



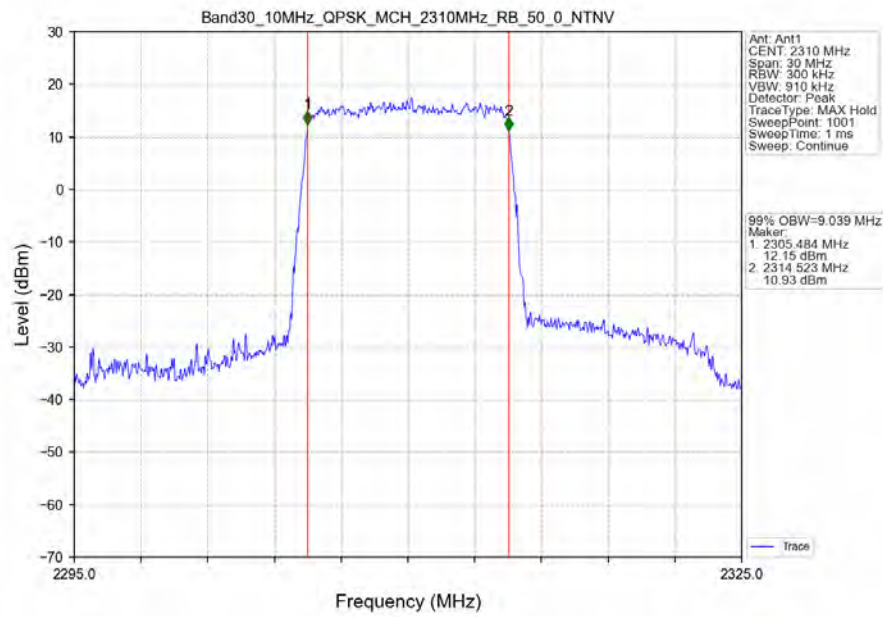
Band30_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



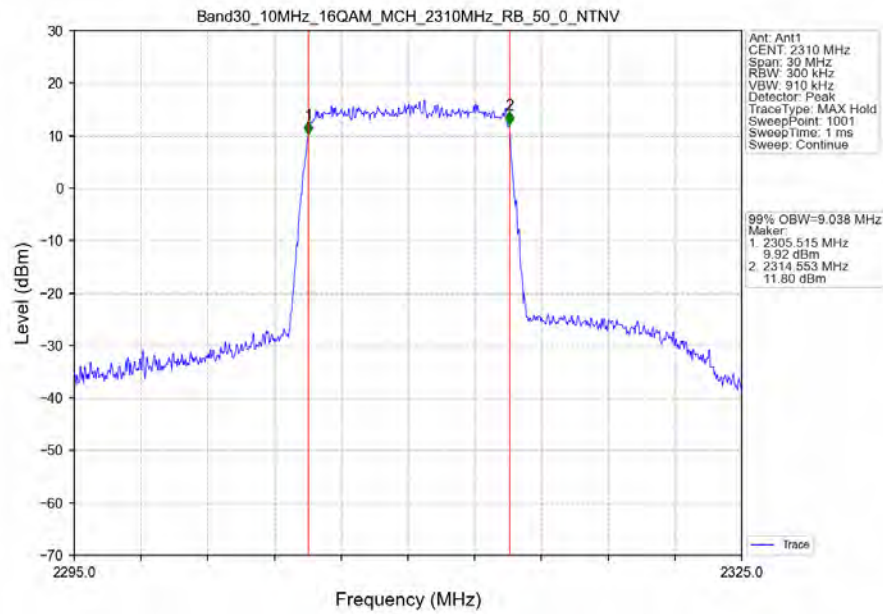
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



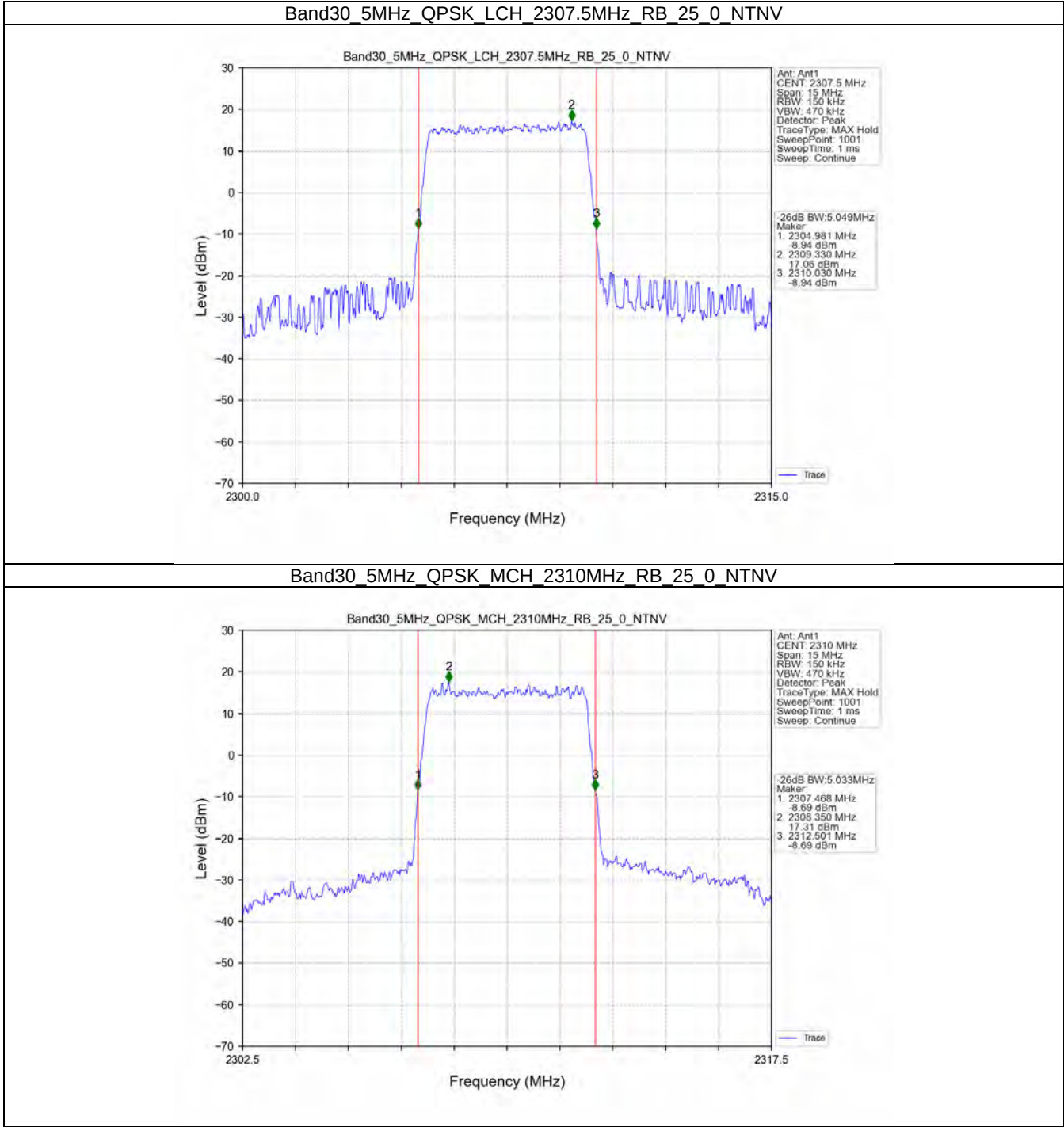
Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



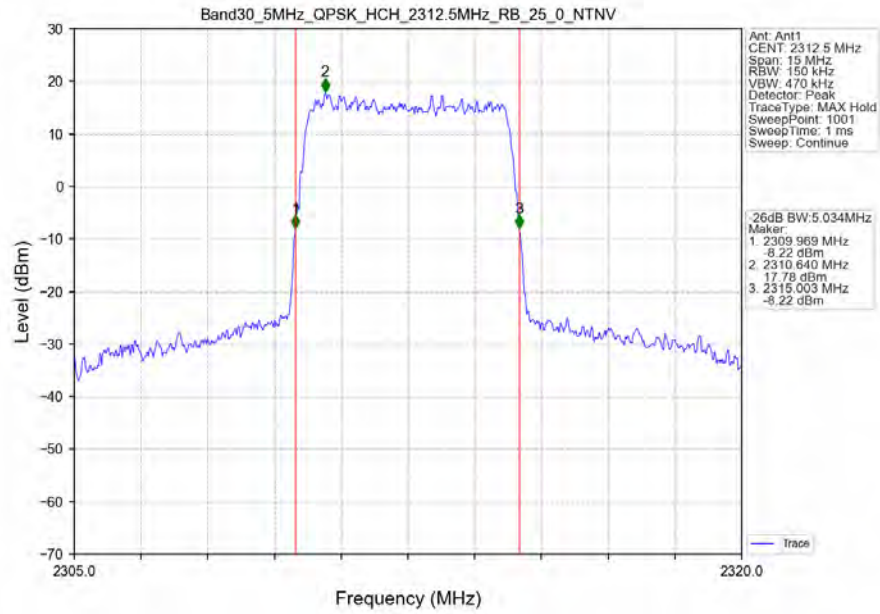
Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



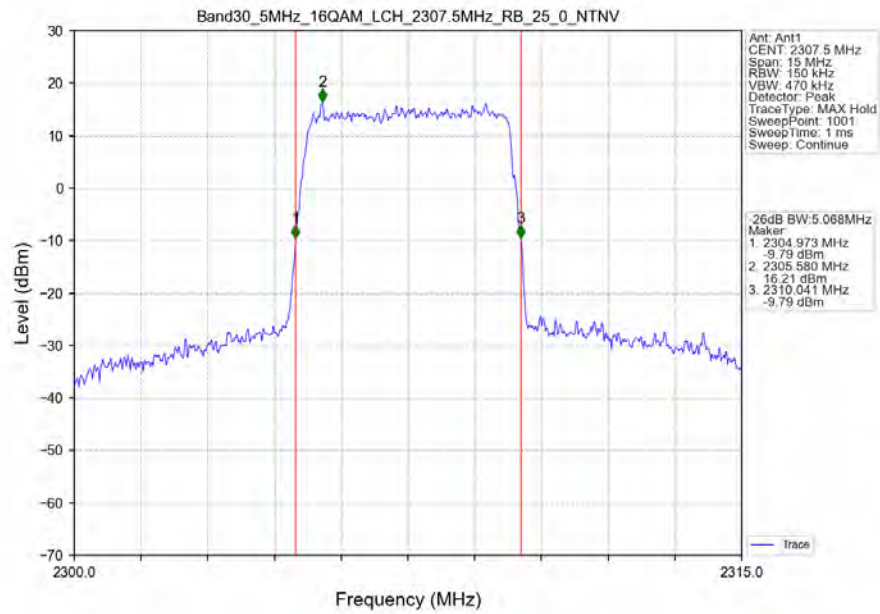
3.2.2 Band30_XDB



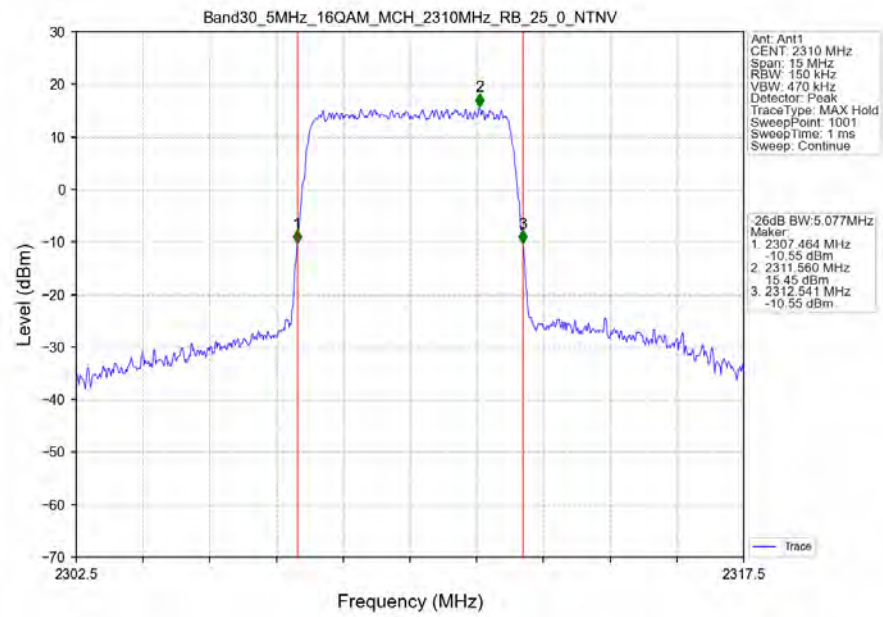
Band30_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



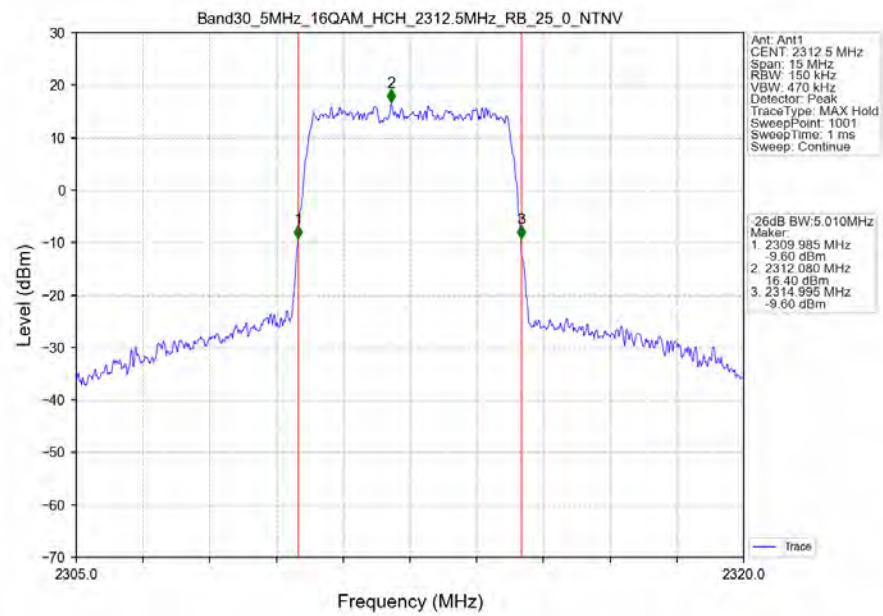
Band30_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



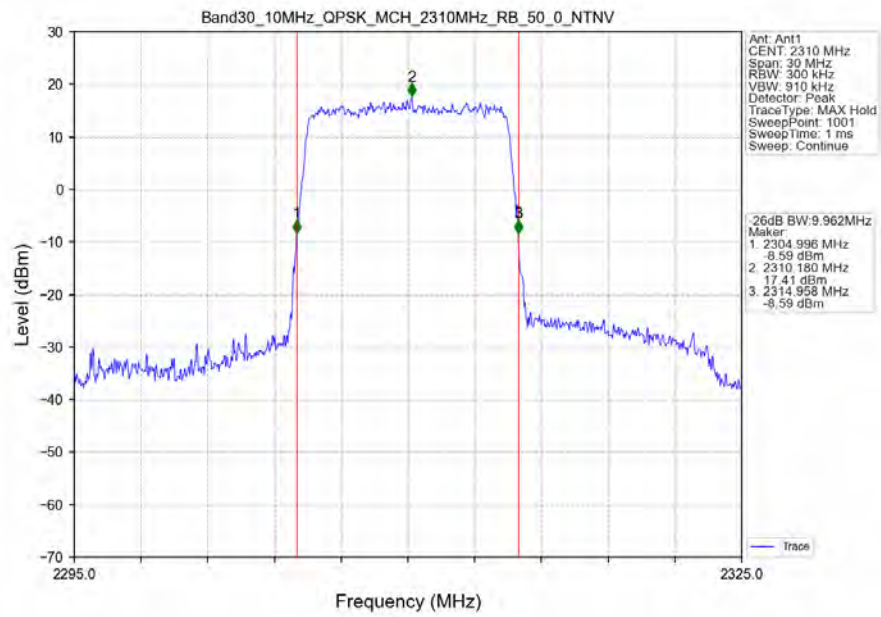
Band30_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



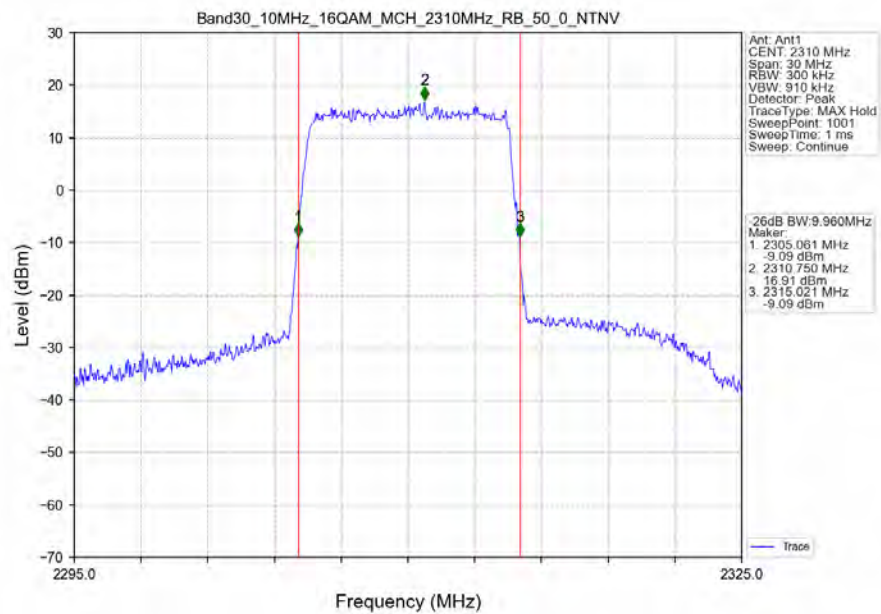
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B30_5MHz

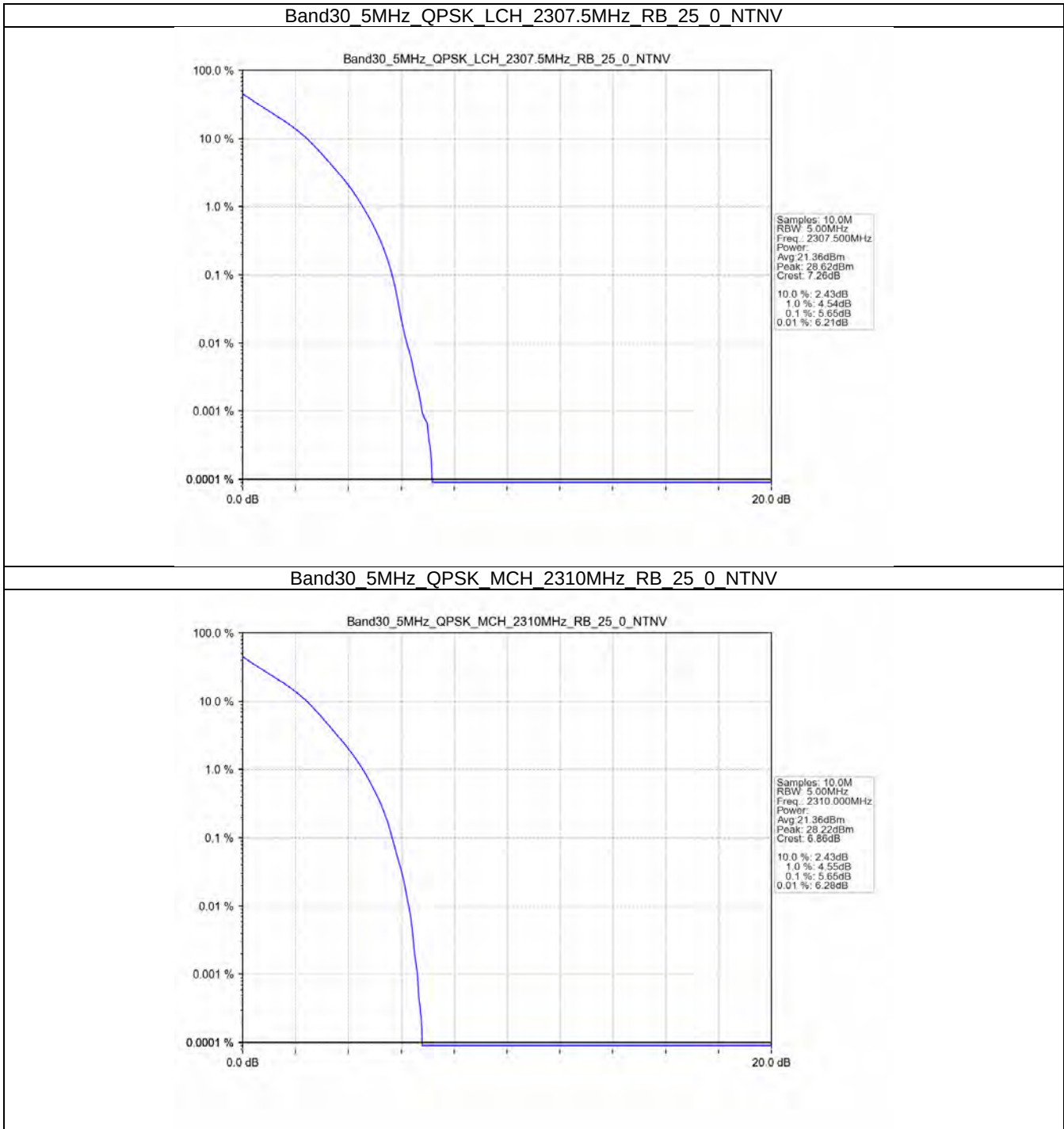
Band: 30 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	25	0	5.65	<=13	Pass
	2310	25	0	5.65	<=13	Pass
	2312.5	25	0	5.72	<=13	Pass
16QAM	2307.5	25	0	6.45	<=13	Pass
	2310	25	0	6.45	<=13	Pass
	2312.5	25	0	6.48	<=13	Pass

4.1.2 B30_10MHz

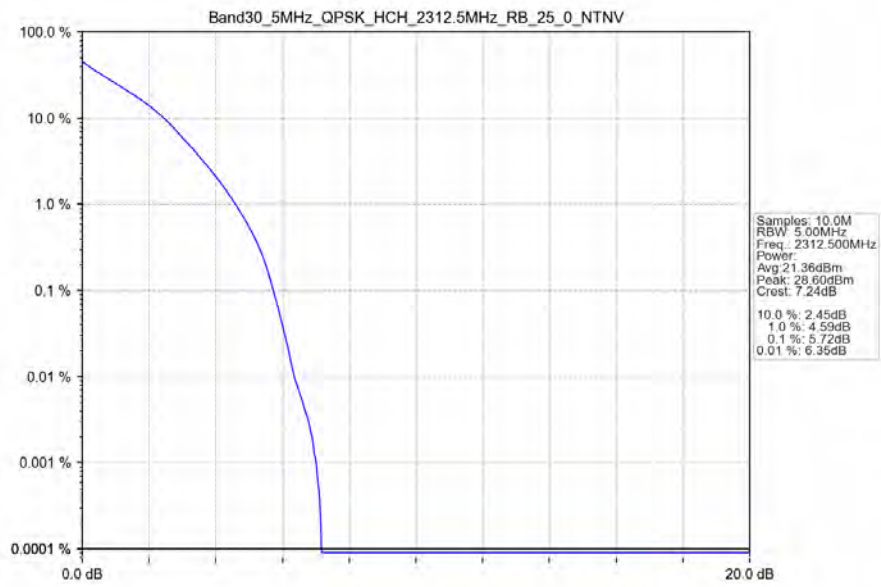
Band: 30 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	5.53	<=13	Pass
16QAM	2310	50	0	6.38	<=13	Pass

4.2 Test Graph

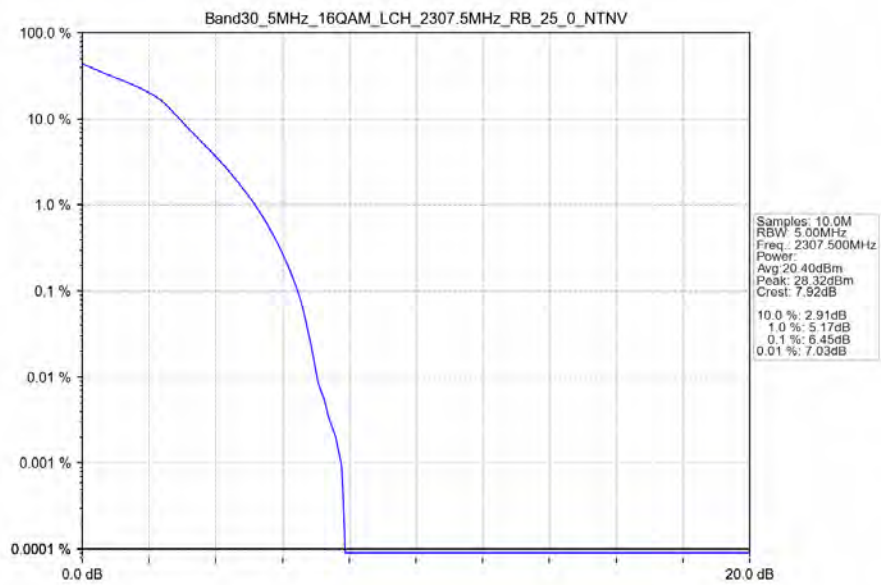
4.2.1 B30_5MHz



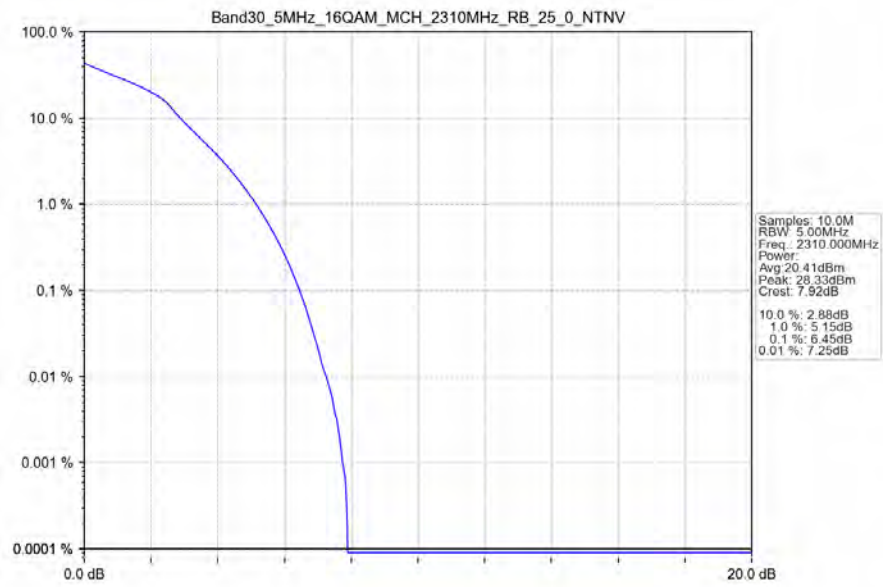
Band30 5MHz QPSK HCH 2312.5MHz RB 25 0 NTNV



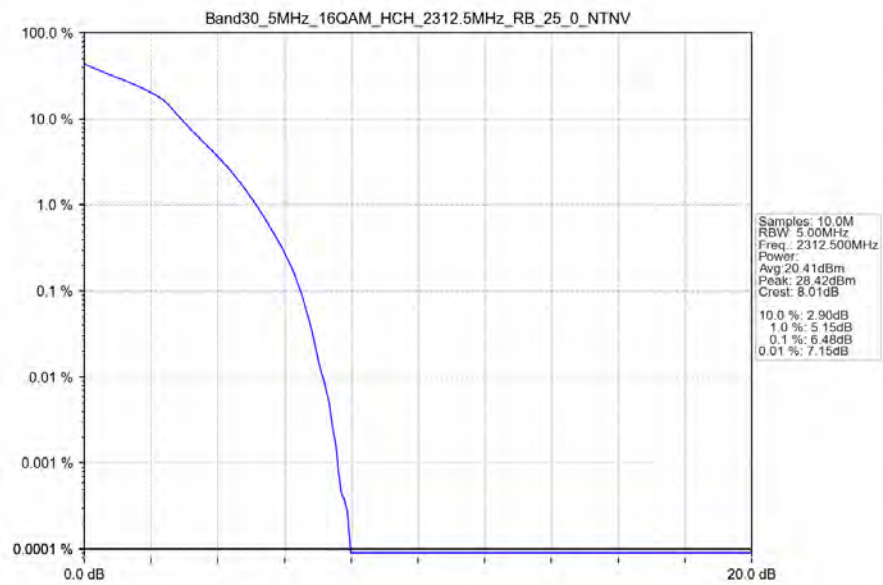
Band30 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTNV



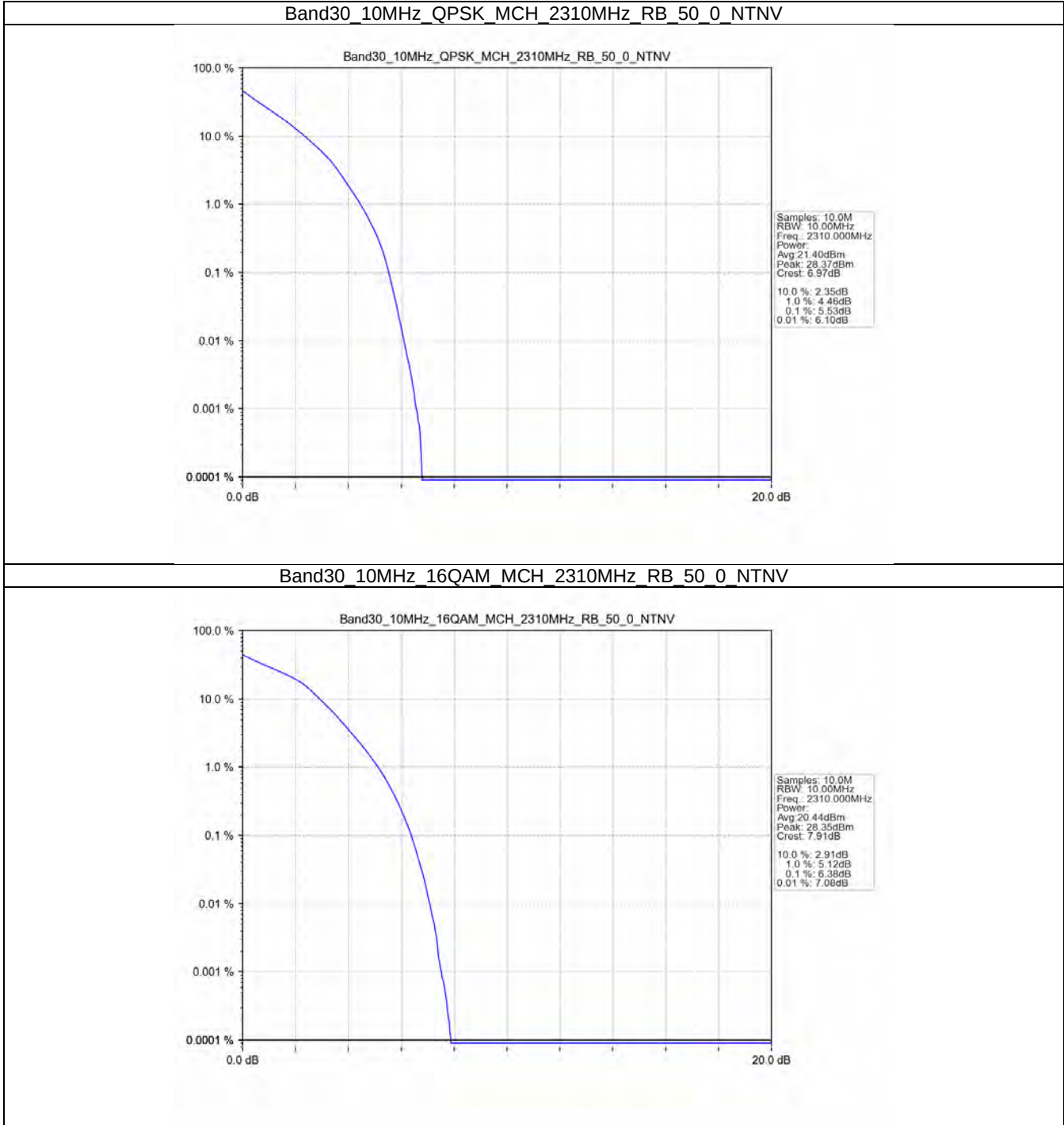
Band30_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



Band30_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



4.2.2 B30_10MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B30_5MHz

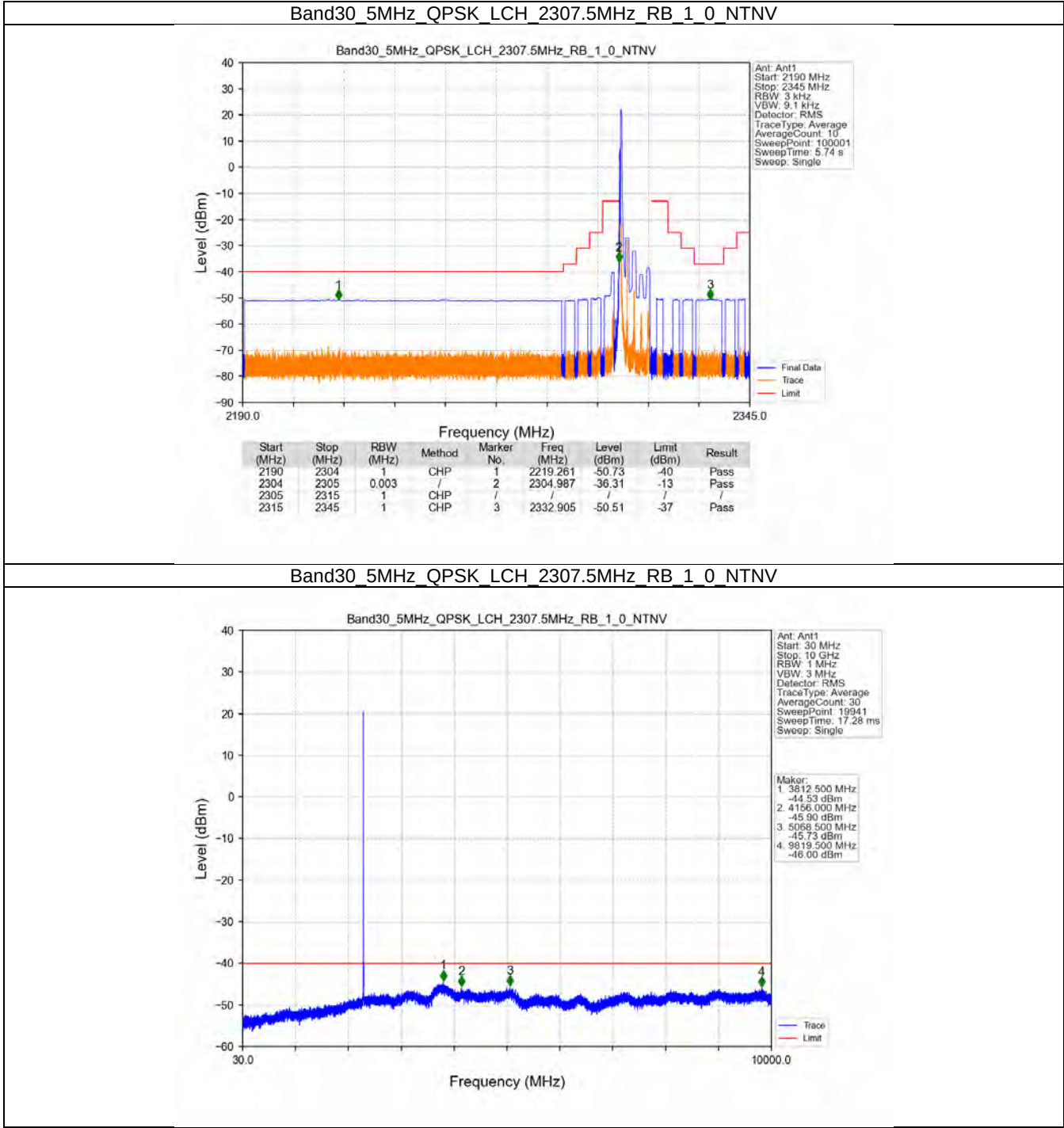
Band: 30 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2310	1	0	Refer To Test Graph		Pass
	2312.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2307.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2310	1	0	Refer To Test Graph		Pass
	2312.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B30_10MHz

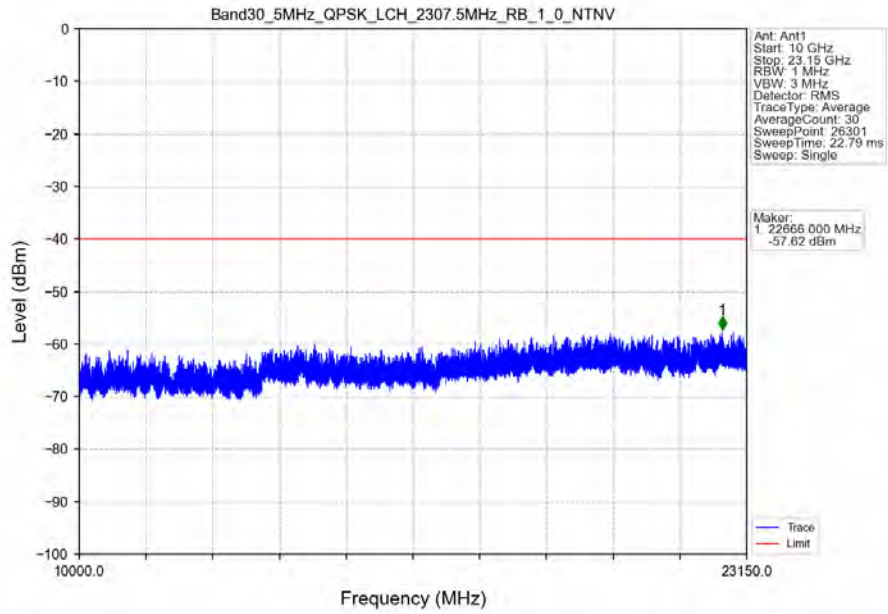
Band: 30 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2310	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2310	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2310	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

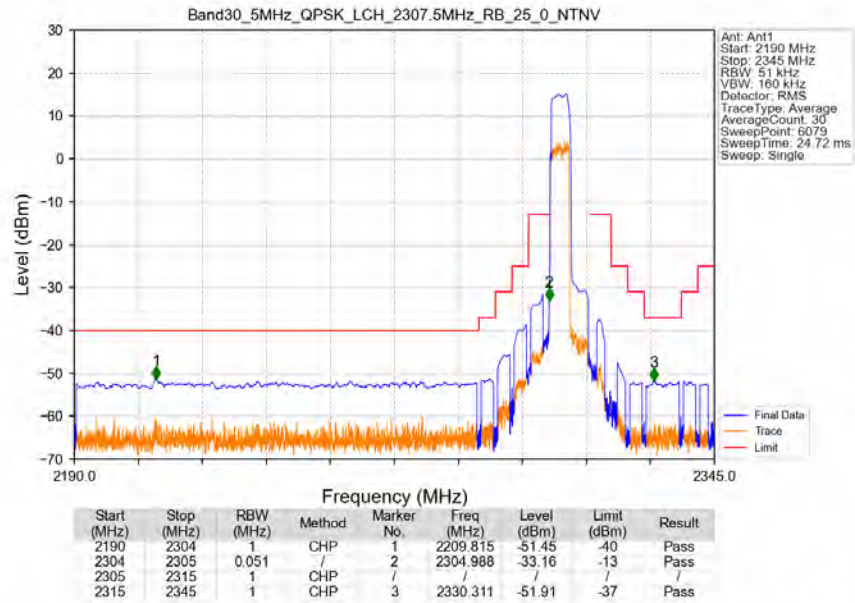
5.2.1 B30_5MHz



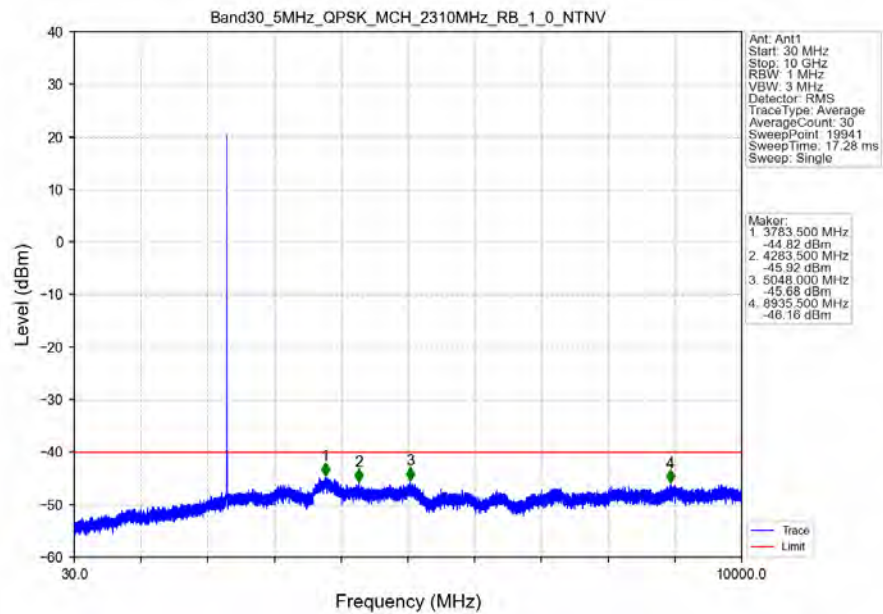
Band30_5MHz_QPSK_LCH_2307.5MHz_RB_1_0_NTNV



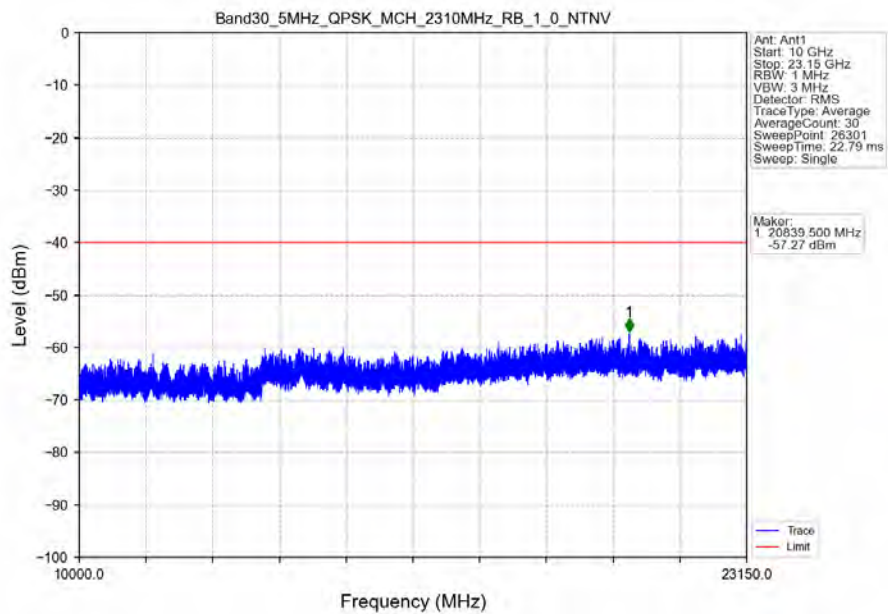
Band30_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV



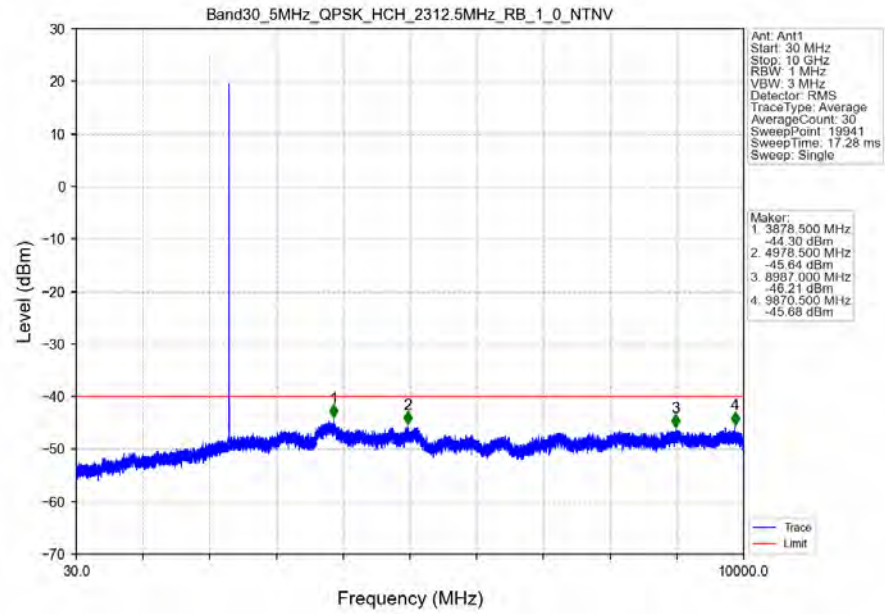
Band30_5MHz_QPSK_MCH_2310MHz_RB_1_0_NTNV



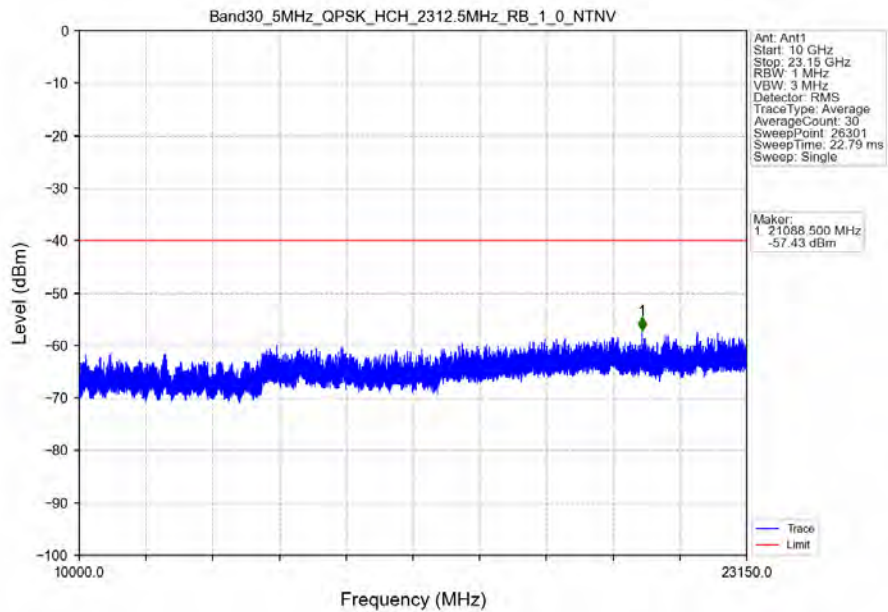
Band30_5MHz_QPSK_MCH_2310MHz_RB_1_0_NTNV



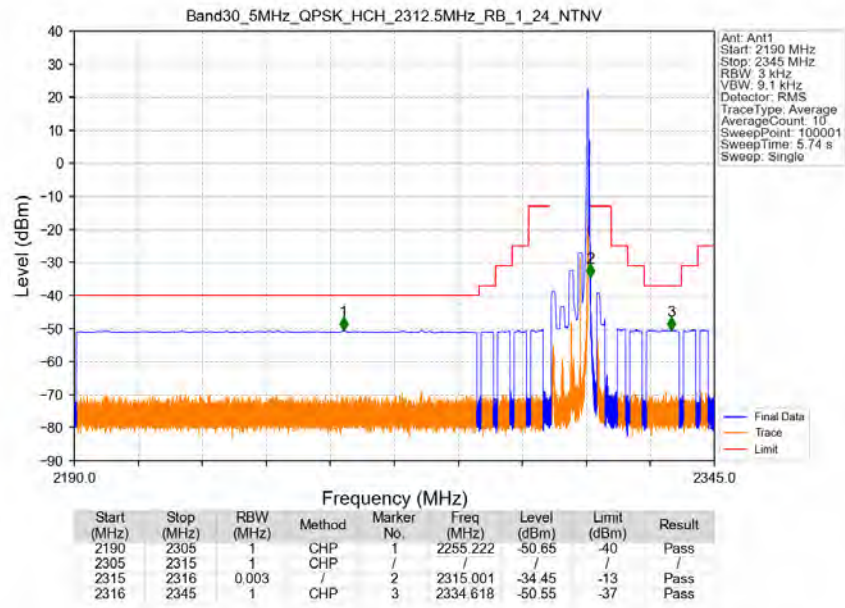
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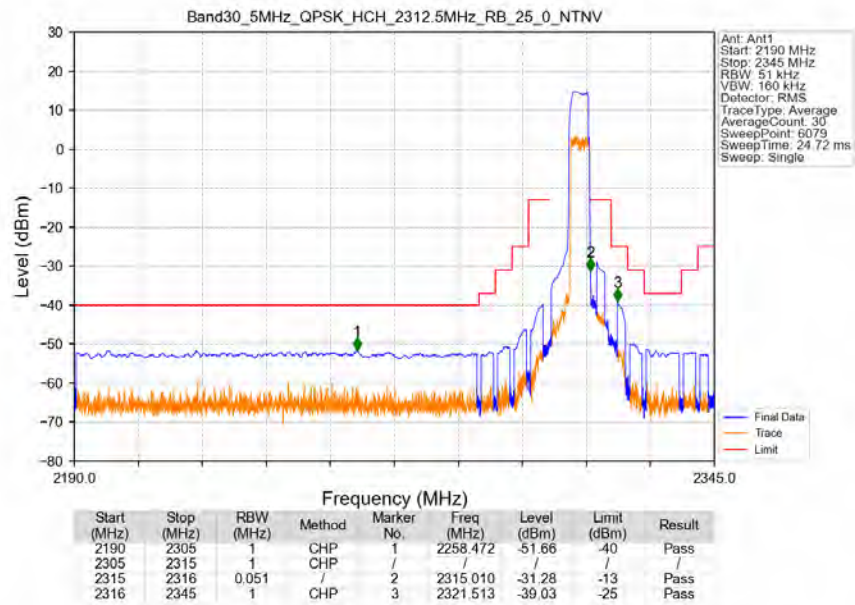
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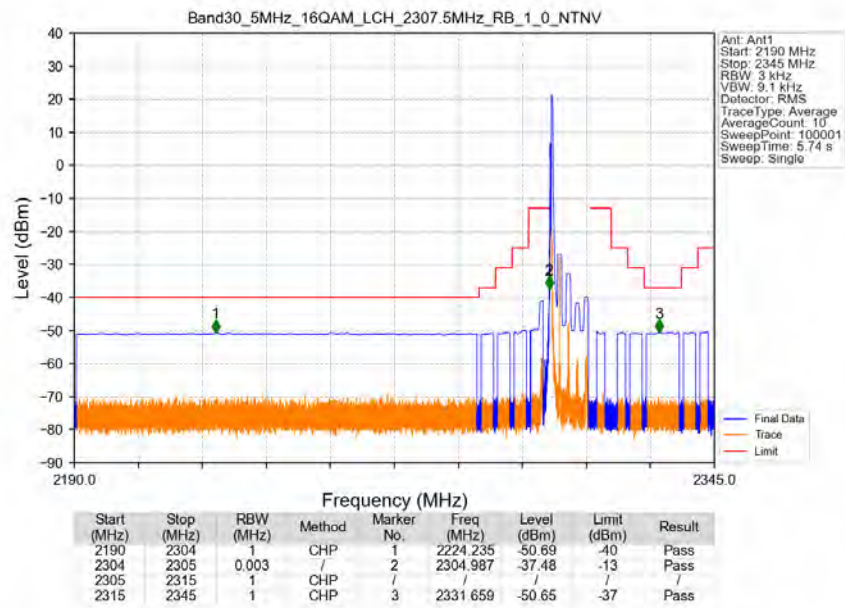
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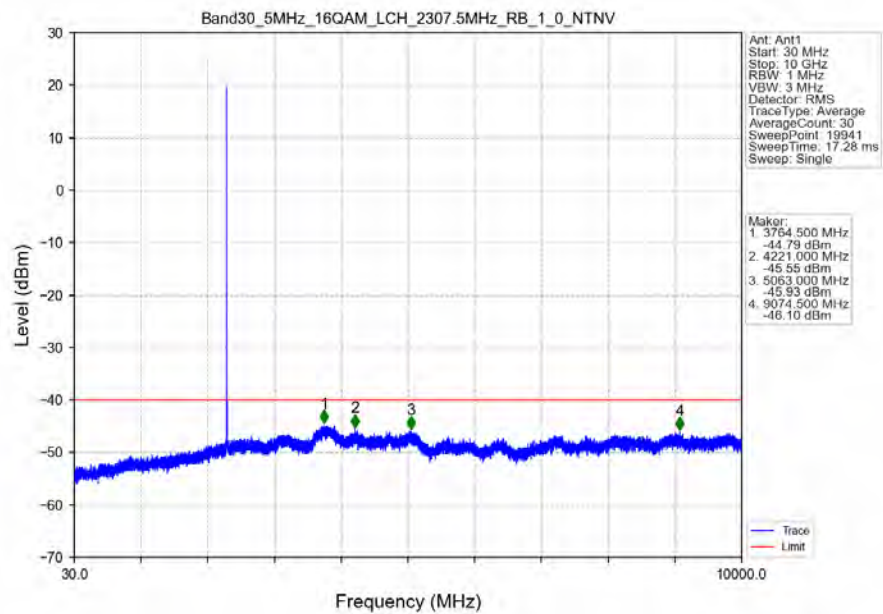
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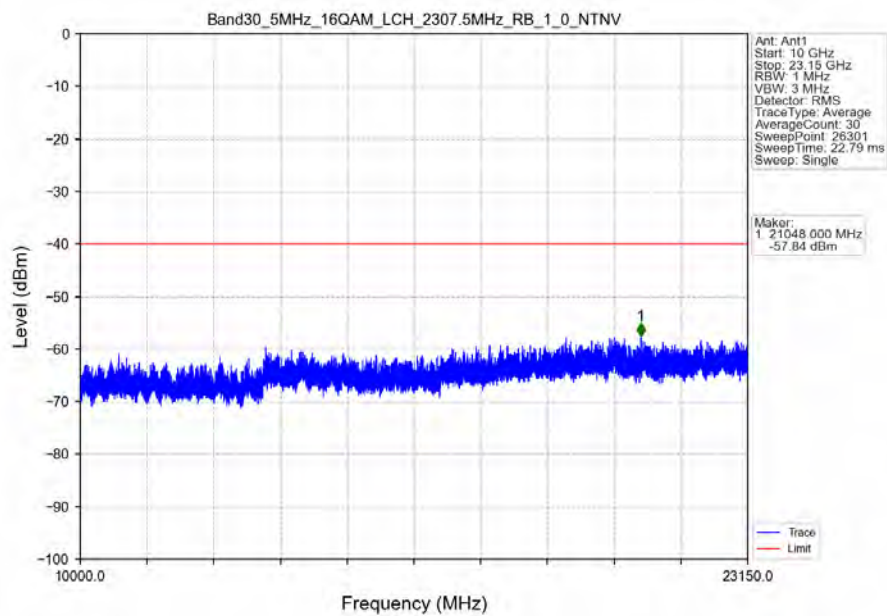
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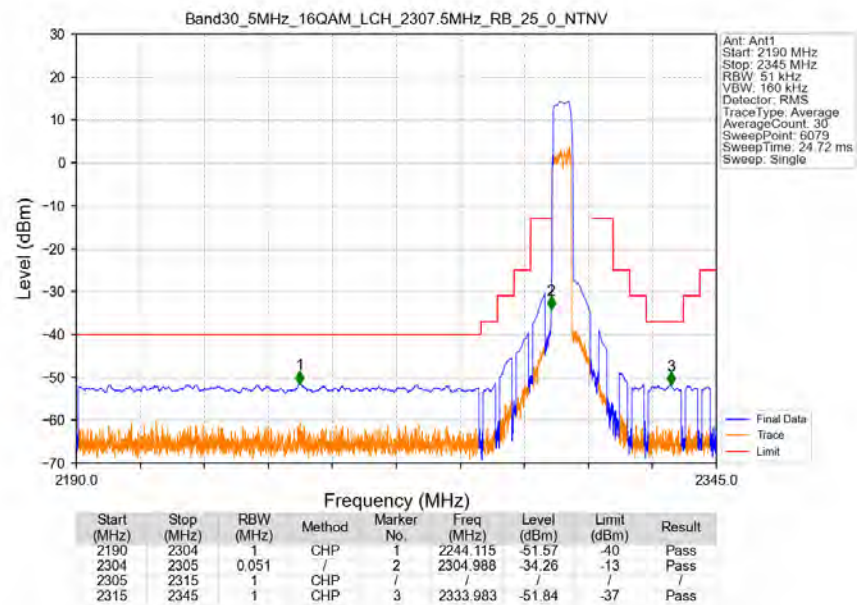
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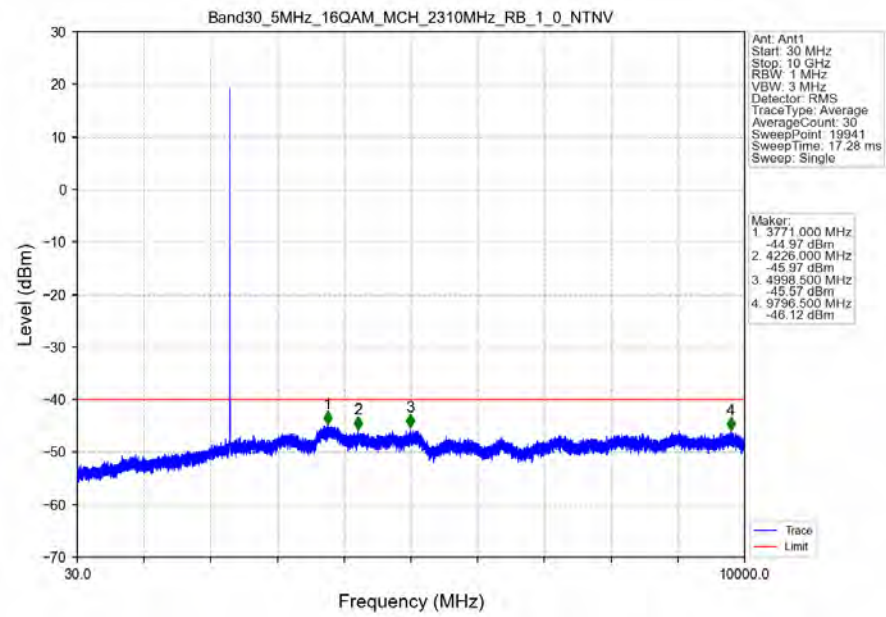
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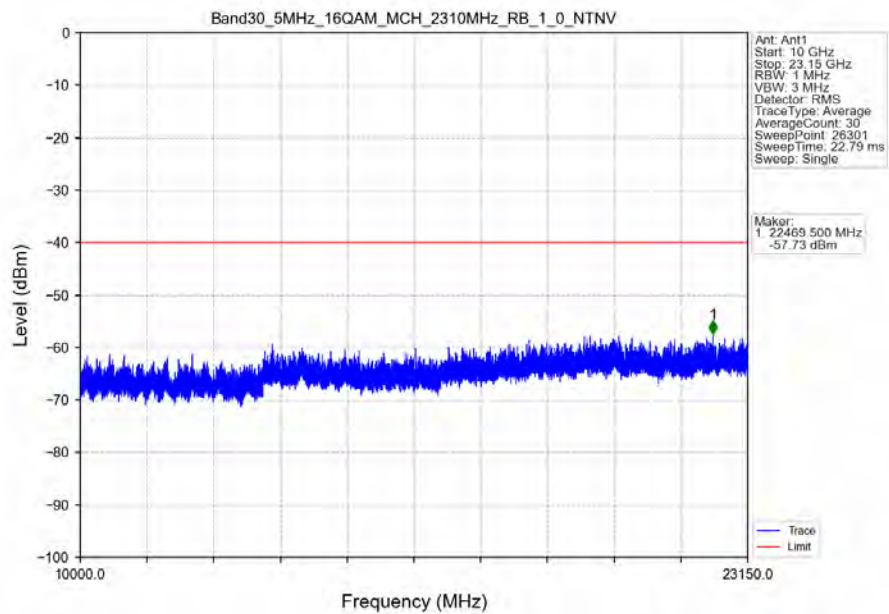
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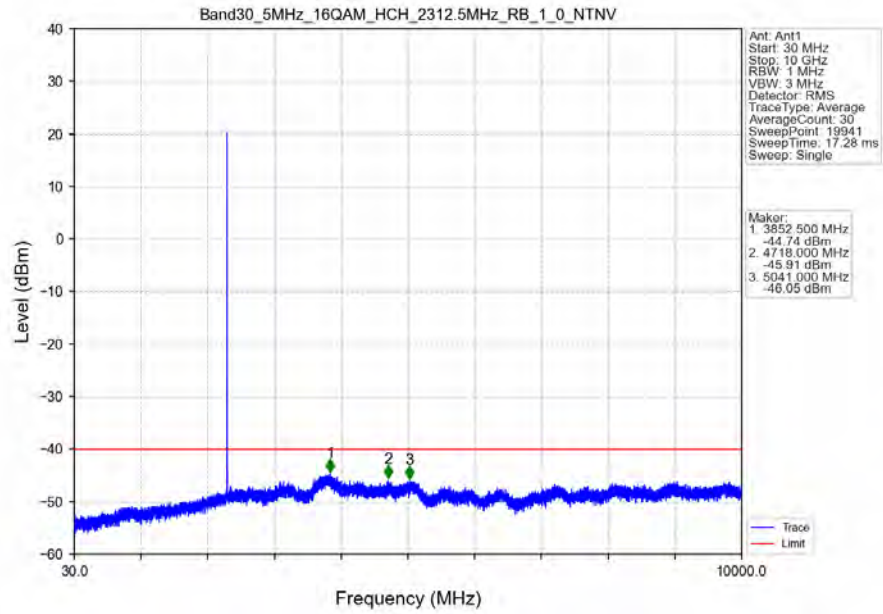
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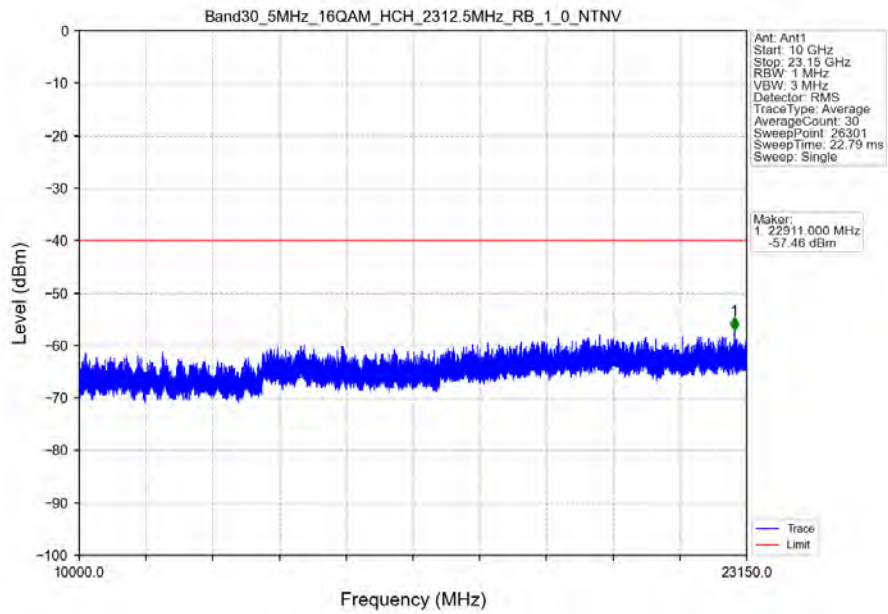
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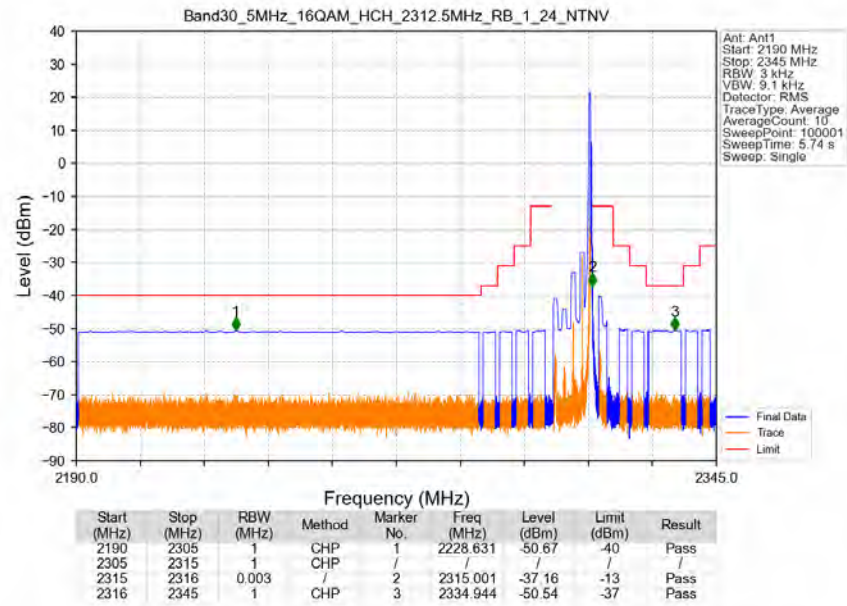
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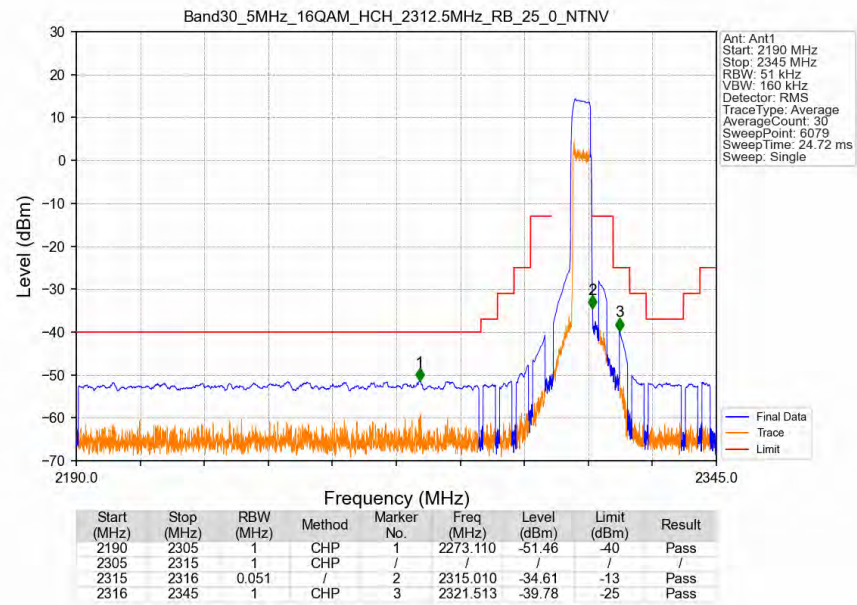
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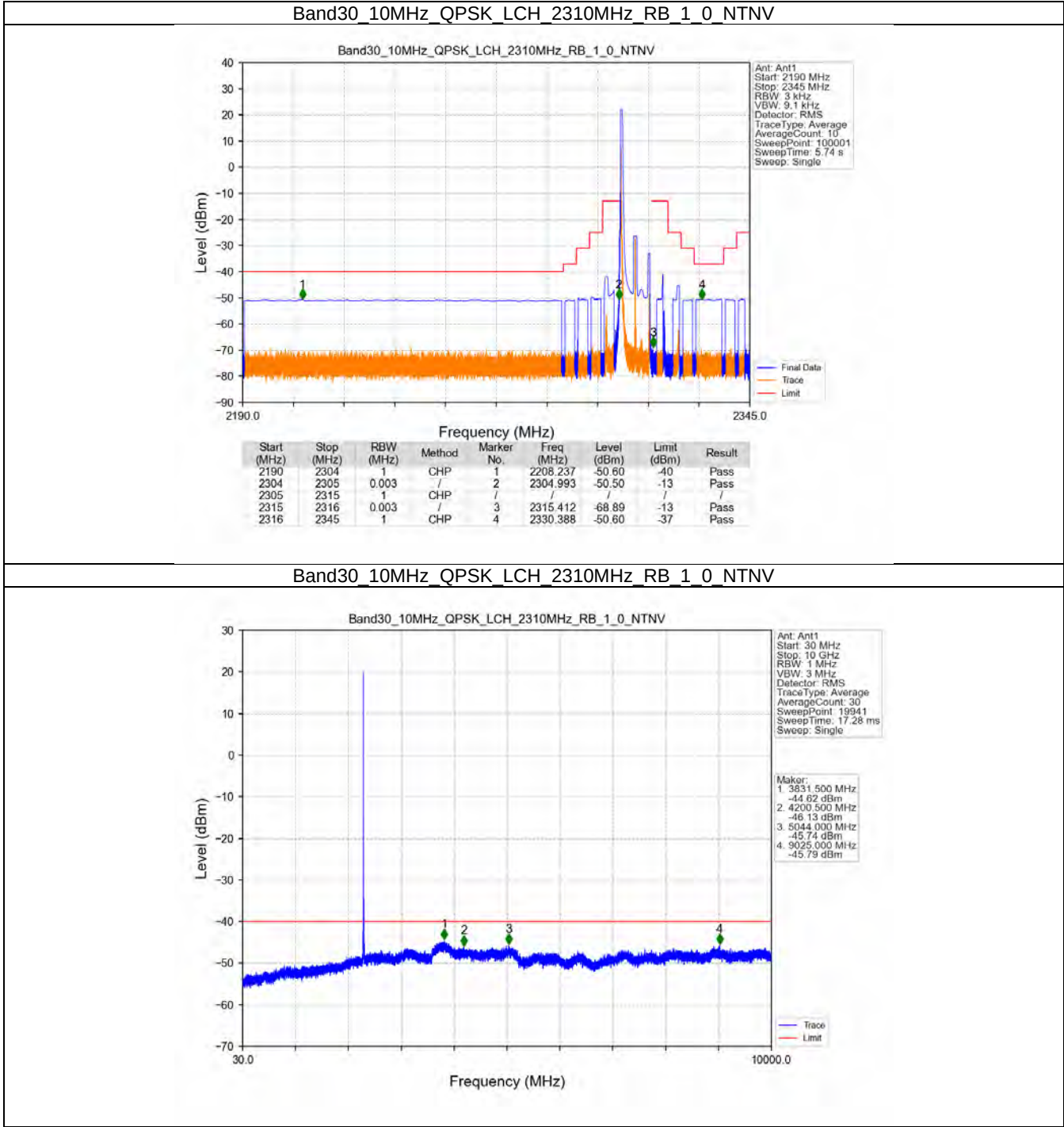
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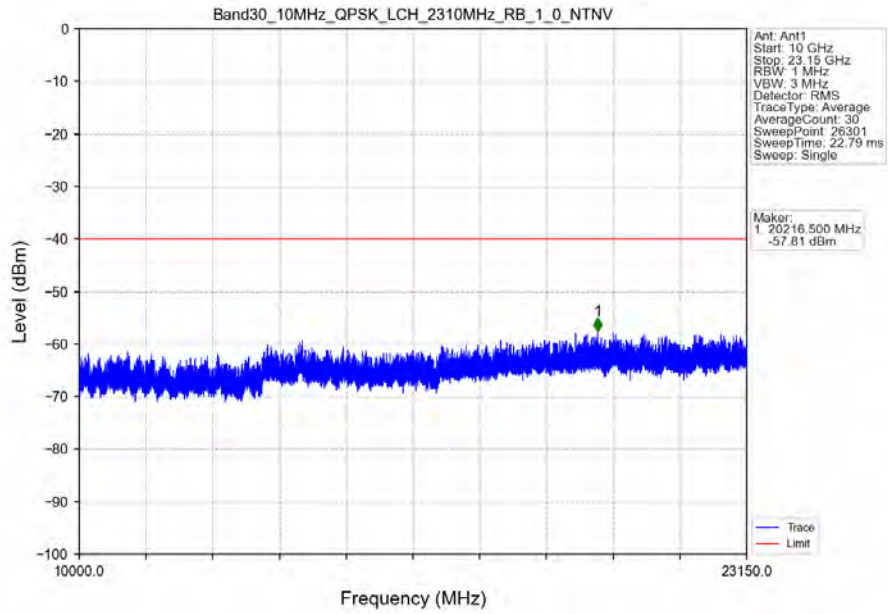
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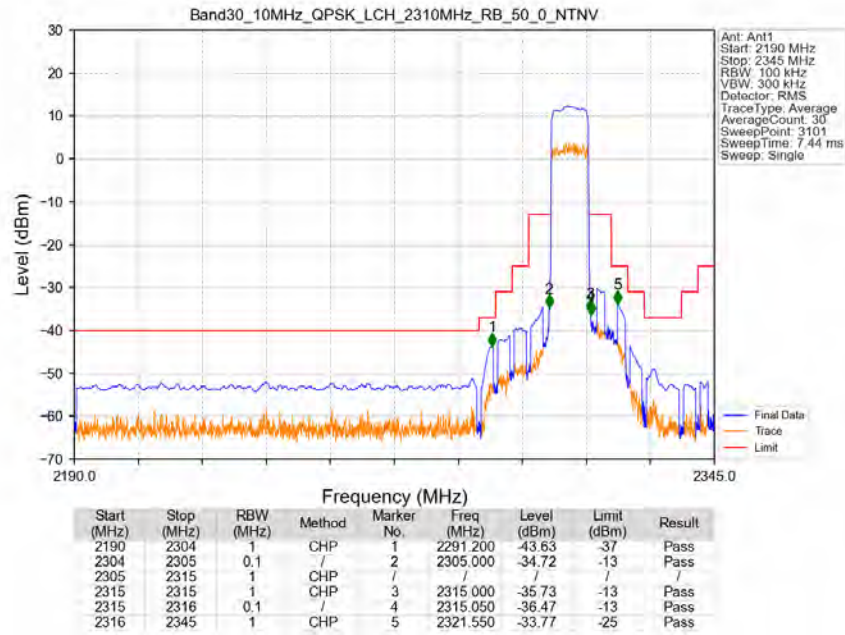
5.2.2 B30_10MHz



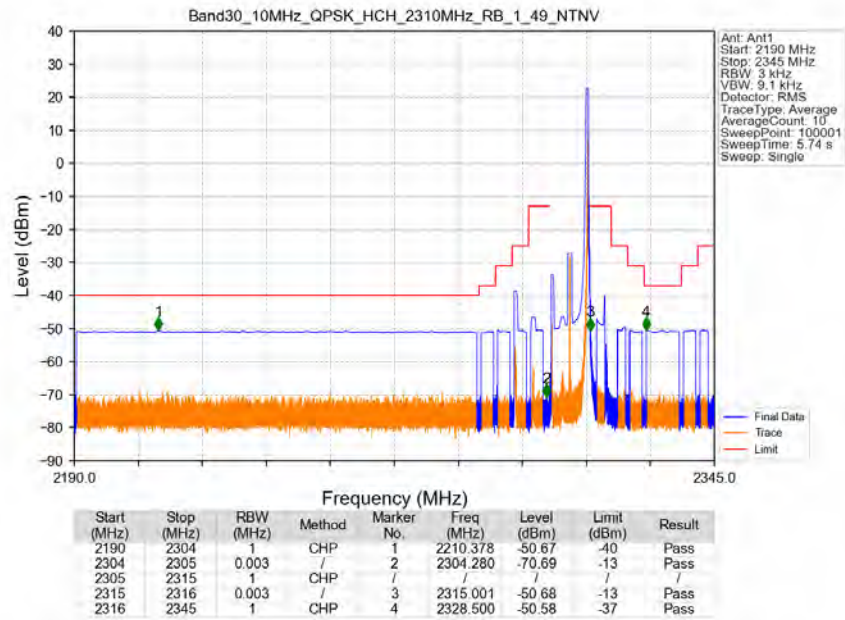
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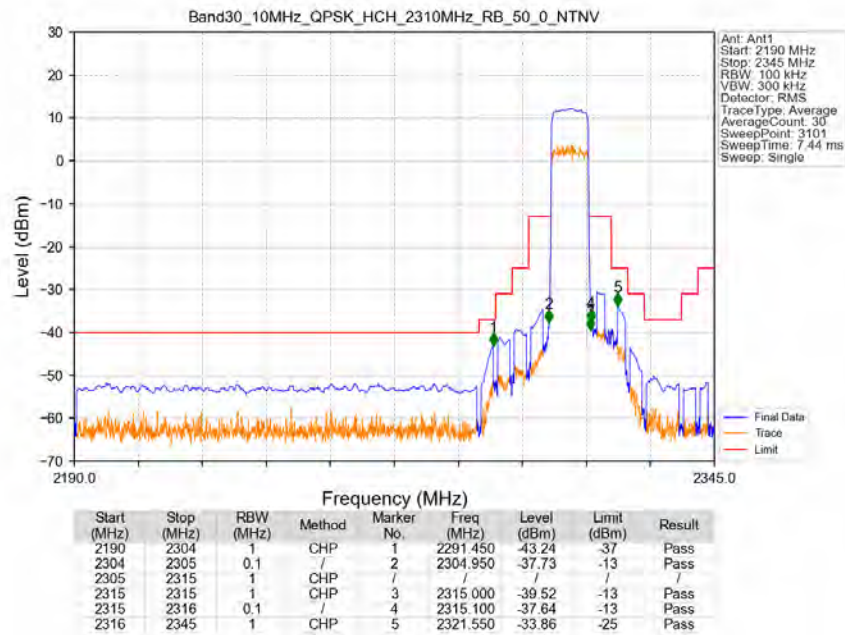
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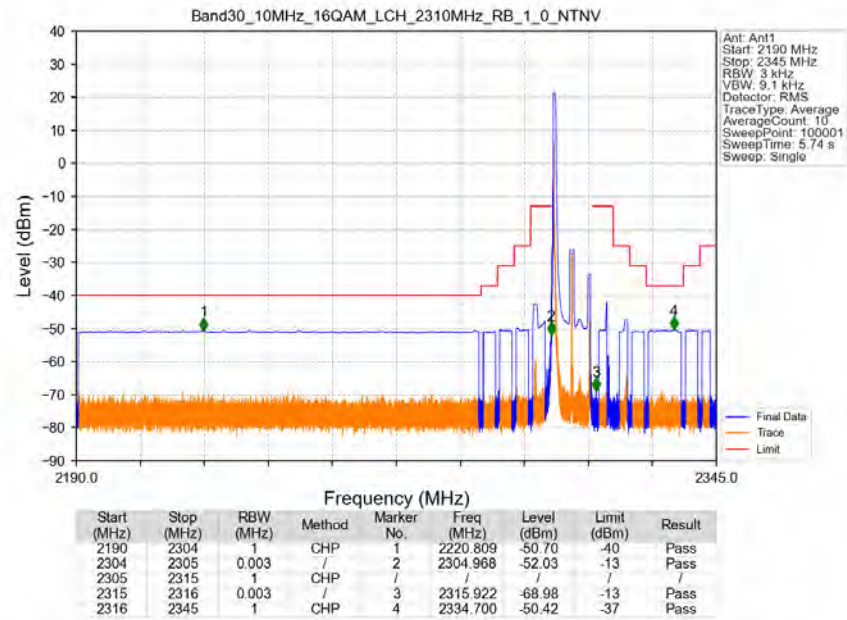
Band30_10MHz_QPSK_HCH_2310MHz_RB_1_49_NTNV



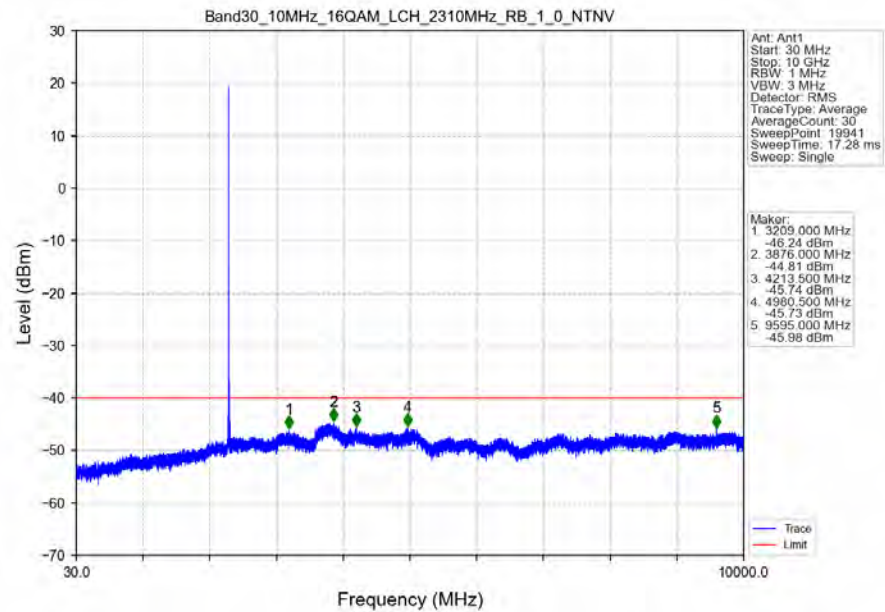
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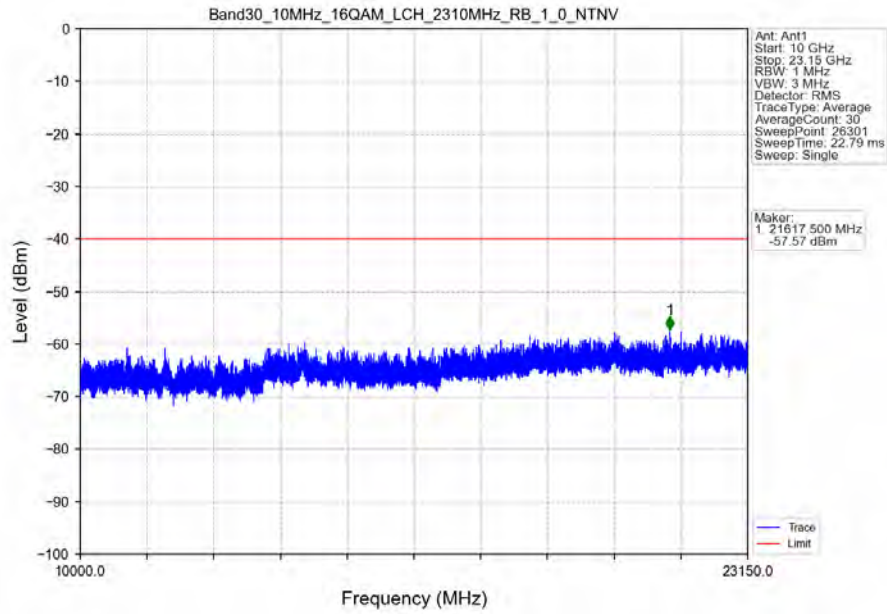
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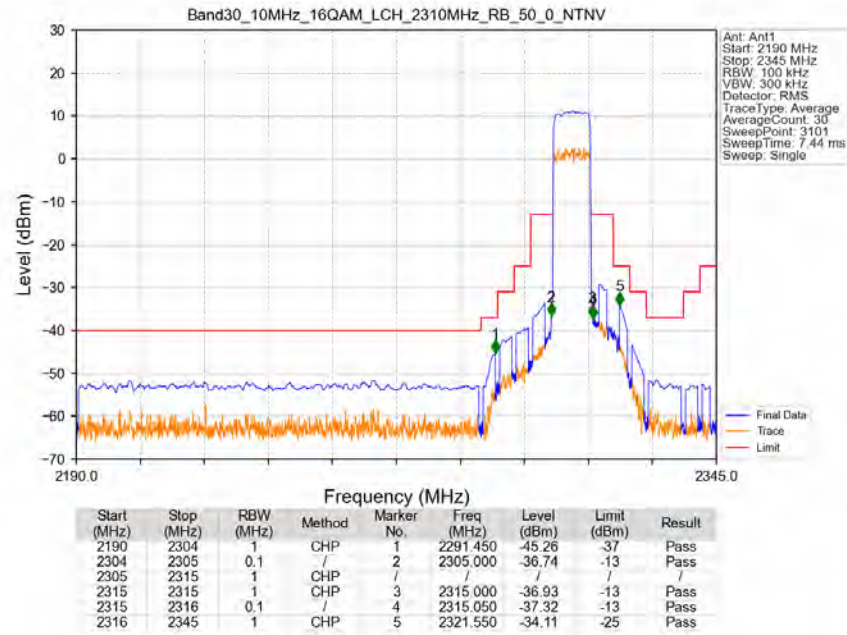
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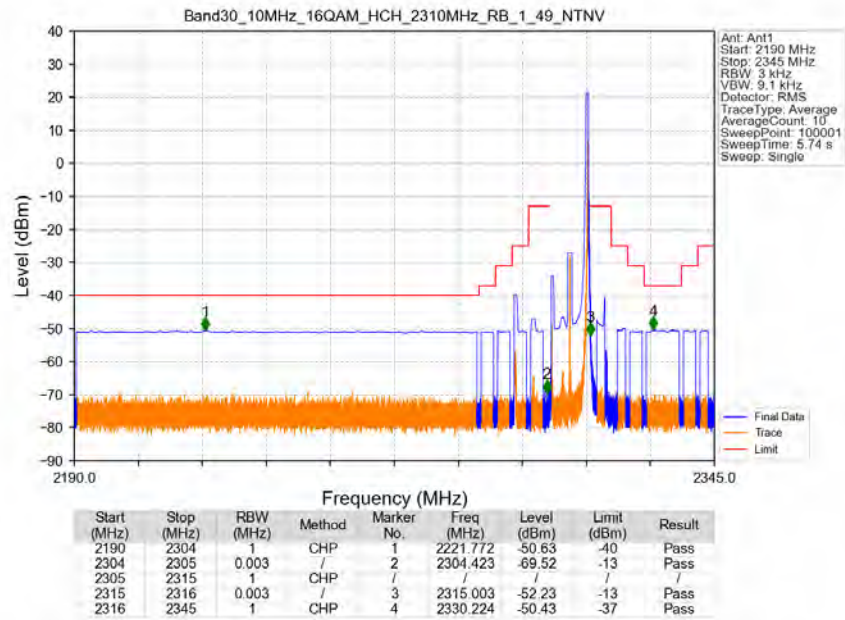
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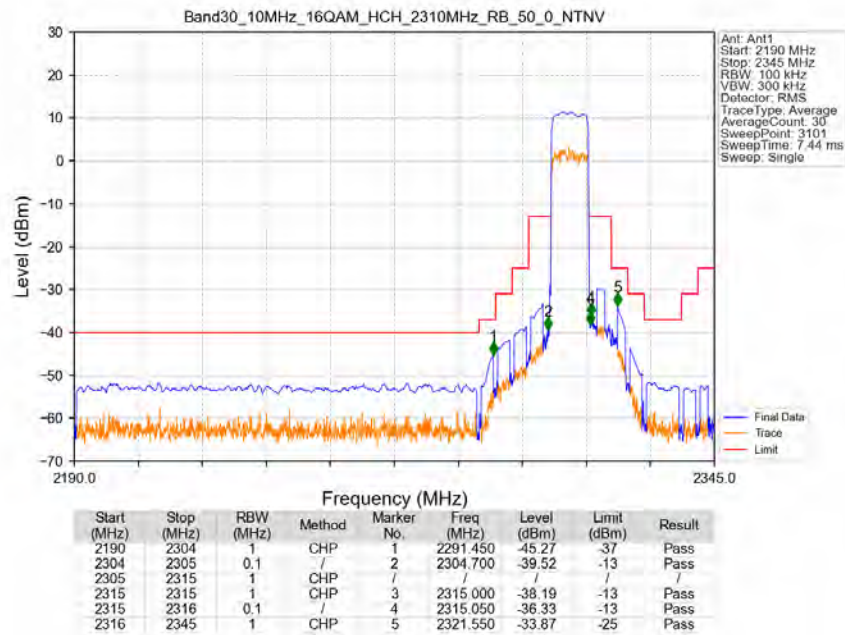
Band30_10MHz_16QAM_LCH_2310MHz_RB_50_0_NTNV



Band30 10MHz 16QAM HCH 2310MHz RB 1 49 NTNV



Band30 10MHz 16QAM HCH 2310MHz RB 50 0 NTNV



6. Field Strength of Spurious Radiation

LTE Band 30-Low channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
4610.5	-59.72	-13	-46.72	-65.27	4.01	9.56	Horizontal	Pass
6915.75	-55.38	-13	-42.38	-62.21	4.19	11.02	Horizontal	Pass
9221.0	-53.56	-13	-40.56	-62.1	4.68	13.22	Horizontal	Pass
4610.5	-58.61	-13	-45.61	-64.16	4.01	9.56	Vertical	Pass
6915.75	-57.2	-13	-44.2	-64.03	4.19	11.02	Vertical	Pass
9221.0	-53.99	-13	-40.99	-62.53	4.68	13.22	Vertical	Pass

LTE Band 30-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
4615.5	-59.89	-13	-46.89	-65.45	4.01	9.57	Horizontal	Pass
6923.25	-57.06	-13	-44.06	-63.9	4.19	11.03	Horizontal	Pass
9231.0	-53.66	-13	-40.66	-62.19	4.69	13.22	Horizontal	Pass
4615.5	-59.61	-13	-46.61	-65.17	4.01	9.57	Vertical	Pass
6923.25	-57.15	-13	-44.15	-63.99	4.19	11.03	Vertical	Pass
9231.0	-52.86	-13	-39.86	-61.39	4.69	13.22	Vertical	Pass

LTE Band 30-High channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
4620.5	-59.59	-13	-46.59	-65.15	4.02	9.58	Horizontal	Pass
6930.75	-56.96	-13	-43.96	-63.81	4.19	11.04	Horizontal	Pass
9241.0	-52.6	-13	-39.6	-61.13	4.69	13.22	Horizontal	Pass
4620.5	-59.69	-13	-46.69	-65.25	4.02	9.58	Vertical	Pass
6930.75	-56.42	-13	-43.42	-63.27	4.19	11.04	Vertical	Pass
9241.0	-52.37	-13	-39.37	-60.9	4.69	13.22	Vertical	Pass